



May 15, 2017

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, 2016  
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, 2016 through March 31, 2017 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,

A handwritten signature in blue ink that reads "C. Logan".

Christopher Logan  
Environmental Advisor

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

RECEIVED  
VENTURA COUNTY  
APCD  
MAY 15 PM 4:41

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

**VENTURA COUNTY  
AIR POLLUTION CONTROL DISTRICT  
PERMIT NO. 00041**

**AERA ENERGY LLC  
VENTURA AVENUE PERMIT  
APRIL 1, 2016 – MARCH 31, 2017**

**MAY 15, 2017**



**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, Operations

Date:

5/15/17

Time Period Covered by Compliance Certification

04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)



## ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1</p>	<p>B. Equipment Description: FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date &amp; Time Begin: 4/21/2016 12:21:00PM End: 4/21/2016 12:52:00PM  When Discovered: 4/21/2016 12:21:00PM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: Southern California Edison power outage failure caused VRU compressors on Taylor lease to go down, allowing tanks T-300 and T-500 to vent.</p>		<p>H. Corrective actions taken: The VRU compressors resumed normal operation once power was restored.</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description: 1- 5000 BBL PWT Blended Water Tank (VWCP T500) VR</p>	<p>C. Deviation Period: Date &amp; Time Begin: 9/22/2016 11:00:00AM End: 9/23/2016 10:30:00AM  When Discovered: 9/22/2016 11:00:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: During a quarterly inspection, the Varec on the 5,000 bbl produced water tank (T500) was found to be leaking due to a warped pressure pallet.</p>		<p>H. Corrective actions taken: The Varec pressure pallet and soft seals were replaced which resolved the leak</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1</p>	<p>B. Equipment Description: FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date &amp; Time Begin: 9/23/2016 1:25:00AM End: 9/23/2016 4:24:00AM  When Discovered: 9/23/2016 1:25:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: Southern California Edison power outage caused VRU compressors on Taylor lease to go down.</p>		<p>H. Corrective actions taken: The VRU compressors resumed normal operation once power was restored.</p>





**ANNUAL COMPLIANCE CERTIFICATION  
DEVIATION SUMMARY FORM**

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1</p>	<p>B. Equipment Description: FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date &amp; Time Begin: 10/30/2016 6:00:00AM End: 10/30/2016 7:16:00AM  When Discovered: 10/30/2016 6:00:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: The UPS failed which caused the PLC to lose power, resulting in a loss of vapor control for the tanks on the Lloyd lease.</p>		<p>H. Corrective actions taken: The UPS was bypassed which resumed power to the PLC, which allowed the vapor recovery control valves to function normally.</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1</p>	<p>B. Equipment Description: FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date &amp; Time Begin: 11/3/2016 12:57:00PM End: 11/3/2016 5:55:00PM  When Discovered: 11/3/2016 12:57:00PM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: During a produced gas leak from Well BAR5A, the winds shifted toward the nearby Riverbottom Production Facility. Incident Command ordered that power be cut to this facility as a safety measure which resulted in the VRU's being inoperative.</p>		<p>H. Corrective actions taken: Once the tank farm was cleared of any concerns, power was restored and the VRU's resumed normal operation.</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description: 8000 bbl LACT Tank (VORD-T026A) VR</p>	<p>C. Deviation Period: Date &amp; Time Begin: 12/12/2016 11:27:00PM End: 12/12/2016 11:52:00PM  When Discovered: 12/12/2016 11:27:00PM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: A PLC communication error caused the control valve for the 8,000 bbl LACT tank (T-026A) to fail closed which caused the tank to vent intermittently.</p>		<p>H. Corrective actions taken: The remote rack was reset which corrected the PLC issue, allowing full vapor control of the tank.</p>



**ANNUAL COMPLIANCE CERTIFICATION  
DEVIATION SUMMARY FORM**

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Rule: 40CFR70 Rule Condition No: 3</p>	<p>B. Equipment Description: FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date &amp; Time Begin: 12/13/2016 3:28:00AM End: 12/13/2016 8:50:00AM  When Discovered: 12/13/2016 7:00:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: Proper reporting to the District of the deviation for the 8,000 bbl LACT tank (T-026A) did not occur due to a communication breakdown.</p>		<p>H. Corrective actions taken: Deviation and breakdown reporting process will be reviewed with night operation personnel.</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description: 8000 bbl LACT Tank (VORD-T026A) VR</p>	<p>C. Deviation Period: Date &amp; Time Begin: 12/28/2016 11:32:00AM End: 12/28/2016 12:06:00PM  When Discovered: 12/28/2016 11:32:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: During an inspection, the Varec on the 8,000 bbl LACT (T-026A) was observed to be relieving pressure. Cause is likely due to a temporary malfunction in the vapor recover system, although the VRU compressors never ceased operation.</p>		<p>H. Corrective actions taken: The Varec was reseated and the system returned to normal operations.</p>

<p>A. Attachment # or Permit Condition #: Rule: 71.5N1 Rule Condition No: 1</p>	<p>B. Equipment Description: Glycol Dehydrator System ( 16.1 MMSCFD/Triethylene Glycol)  1 - Glycol Dehydrator Vent VR</p>	<p>C. Deviation Period: Date &amp; Time Begin: 1/20/2017 11:07:00AM End: 1/20/2017 12:03:00PM  When Discovered: 1/20/2017 11:07:00AM</p>
<p>D. Parameters monitored: Not Applicable</p>	<p>E. Limit: Not Applicable</p>	<p>F. Actual: Not Applicable</p>
<p>G. Probable Cause of Deviation: During a strong storm, power was lost on a portion of the lease which caused the Central Compressor VRU compressors to shutdown.</p>		<p>H. Corrective actions taken: Once power was restored, the VRU compressors returned to normal operation.</p>



Ventura County  
Air Pollution  
Control District

## ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Attachment # or Permit Condition #:  Rule: 71.1.C Rule Condition No: 1	B. Equipment Description:  FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 2/17/2017 12:10:00PM End: 2/17/2017 8:10:00PM  When Discovered: 2/17/2017 12:10:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: During a strong storm, power was lost on a portion of the lease which caused the D&N VRU compressors to shutdown.		H. Corrective actions taken: Once power was restored, the VRU compressors returned to normal operation.



# Ventura County Air Pollution Control District

Company Name: <b>Aera Energy LLC</b>		Permit: 0041		
Certification Period: <b>04/01/2016</b> through <b>03/31/2017</b>		Page 1 of 51		
<b>COLUMN 1</b> Citation	<b>COLUMN 2</b> Compliance Status (As indicated by most recent monitoring measurement or observation)	<b>COLUMN 3</b> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<b>COLUMN 4</b> Method for determining Compliance Status.	<b>COLUMN 5</b> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
<b>Equipment: FACILITY-WIDE REQUIREMENTS Revised on 4/1/2014</b>				
40CFR60 0000 Cond 1	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 2	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 3	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 4	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 5	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 6	In Compliance	Continuous	Reference Condition	
40CFR60 0000 Cond 7	In Compliance	Continuous	Reference Condition	
40CFR61 Cond 1	In Compliance	Continuous	Work Practices - Asbestos Activities	
40CFR61 Cond 2	In Compliance	Continuous	Work Practices - Asbestos Activities	
40CFR68 Cond 1	In Compliance	Continuous	Documentation of risk management plan and annual certification by responsible official	
40CFR70 Cond 1	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 2	In Compliance	Continuous	Reference Condition	



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<b>COLUMN 1</b> Citation	<b>COLUMN 2</b> Compliance Status (As indicated by most recent monitoring measurement or observation)	<b>COLUMN 3</b> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<b>COLUMN 4</b> Method for determining Compliance Status.	<b>COLUMN 5</b> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
40CFR70 Cond 3	In Compliance	Intermittent	Documentation of prompt reporting and followup deviation reports	Failure to report deviation for 8,000 bbl LACT tank (T-026A) to District within four hour notification window.  Event Date: 12/13/2016
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	
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 – Refrigeration System Compliance	



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<b>COLUMN 1</b> Citation	<b>COLUMN 2</b> Compliance Status (As indicated by most recent monitoring measurement or observation)	<b>COLUMN 3</b> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<b>COLUMN 4</b> Method for determining Compliance Status.	<b>COLUMN 5</b> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
40CFR82 Cond 2	In Compliance	Continuous	Work Practices – Refrigeration System Compliance	
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 visual emission evaluations and Annual Certification by Responsible Official	
50 Cond 4	In Compliance	Continuous	Documentation of visible emissions upon District request	
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 air modeling for ground level SO2 based on District request	
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	
54.B.2 Cond 4	In Compliance	Continuous	Documentation of air modeling for ground level SO2 based on District request	
57.1 Cond 1	In Compliance	Continuous	Documentation of District analysis	





# Ventura County Air Pollution Control District

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Certification Period: <b>04/01/2016</b> through <b>03/31/2017</b>		Page 4 of 51		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
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	Reference Condition	
64.B.2 Cond 2	In Compliance	Continuous	Documentation of liquid fuel sulfur content	
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	The vapor recovery compressors for the Taylor lease went down due to an external (Edison) power failure resulting in ROC vapors not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.
			Event Date: 04/21/2016	



# Ventura County Air Pollution Control District

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<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	The vapor recovery compressors for the Taylor lease went down due to an external (Edison) power failure resulting in ROC vapors not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.  Event Date: 09/23/2016
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A UPS failure caused the PLC to lose power, resulting in ROC vapors from the Lloyd lease tanks not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.  Event Date: 10/30/2016
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Power was shut down to the Riverbottom Production Facility (D&N) due a nearby well issue, resulting in emissions from the tanks not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.  Event Date: 11/03/2016
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	The vapor recovery compressors for the Riverbottom Facility (D&N) went down due to an internal power failure resulting in produced gas not being directed to a fuel or sales gas system or a flare. Breakdown relief requested and granted.  Event Date: 02/17/2017
71.1.C Cond 2	In Compliance	Continuous	Reference Condition	



# Ventura County Air Pollution Control District

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<b>COLUMN 1</b> Citation	<b>COLUMN 2</b> Compliance Status (As indicated by most recent monitoring measurement or observation)	<b>COLUMN 3</b> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<b>COLUMN 4</b> Method for determining Compliance Status.	<b>COLUMN 5</b> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
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	
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	
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 upon District request	
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	



# Ventura County Air Pollution Control District

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<b>COLUMN 1</b> Citation	<b>COLUMN 2</b> Compliance Status (As indicated by most recent monitoring measurement or observation)	<b>COLUMN 3</b> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<b>COLUMN 4</b> Method for determining Compliance Status.	<b>COLUMN 5</b> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.1 Cond 6	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 7	In Compliance	Continuous	Documentation of abrasive blasting operations & surveillance	
74.10 Cond 1	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 2	In Compliance	Continuous	Work Practices – Tank and Related Equipment Inspection	
74.10 Cond 3	In Compliance	Continuous	Reference Condition	
74.10 Cond 4	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 5	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 6	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 7	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 8	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 9	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 10	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 11	In Compliance	Continuous	Reference Condition	
74.10 Cond 12	In Compliance	Continuous	Reference Condition	



# Ventura County Air Pollution Control District

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74.10 Cond 13	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 14	In Compliance	Continuous	Reference Condition	
74.10 Cond 15	In Compliance	Continuous	Reference Condition	
74.10 Cond 16	In Compliance	Continuous	Reference Condition	
74.10 Cond 17	In Compliance	Continuous	Documentation of Operator Management Plan annual submittal/update	
74.10 Cond 18	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 19	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 20	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 21	In Compliance	Continuous	Documentation of 74.10 inspection logs	
74.10 Cond 22	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 23	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 24	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 25	In Compliance	Continuous	Reference Condition	
74.10 Cond 26	In Compliance	Continuous	Reference Condition	



# Ventura County Air Pollution Control District

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74.10 Cond 27	In Compliance	Continuous	Reference Condition
74.10 Cond 28	In Compliance	Continuous	Reference Condition
74.10 Cond 29	In Compliance	Continuous	Documentation of 74.10 inspection logs
74.10 Cond 30	In Compliance	Continuous	Documentation of 74.10 inspection logs
74.10 Cond 31	In Compliance	Continuous	Documentation of 74.10 inspection logs
74.10 Cond 32	In Compliance	Continuous	Documentation of calibration records
74.10 Cond 33	In Compliance	Continuous	Reference Condition
74.10 Cond 34	In Compliance	Continuous	Reference Condition
74.10 Cond 35	In Compliance	Continuous	Reference Condition
74.10 Cond 36	In Compliance	Continuous	Reference Condition
74.11.1 Cond 1	In Compliance	Continuous	Reference Condition
74.11.1 Cond 2	In Compliance	Continuous	Reference Condition
74.11.1 Cond 3	In Compliance	Continuous	Reference Condition
74.11.1 Cond 4	In Compliance	Continuous	Documentation of compliance upon District request
74.11.1 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official
74.16 Cond 1	In Compliance	Continuous	Reference Condition
74.16 Cond 2	In Compliance	Continuous	Reference Condition

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





# Ventura County Air Pollution Control District

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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	
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	



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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	Work Practices - Tank Degassing	
74.26 Cond 5	In Compliance	Continuous	Documentation of storage tank exemption records	
74.26 Cond 6	In Compliance	Continuous	When requested by the District, Aera will test the vapor flow and concentration to determine destruction or removal efficiency using appropriate methods.	
74.26 Cond 7	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 8	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 9	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.28 Cond 1	In Compliance	Continuous	Reference Condition	
74.28 Cond 2	In Compliance	Continuous	Documentation of roofing kettle temperature	
74.28 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	
74.28 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	



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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	Work Practices - 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	Work Practices - Soil Decontamination	
74.29 Cond 7	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.29 Cond 8	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.29 Cond 9	In Compliance	Continuous	Reference Condition	
74.29 Cond 10	In Compliance	Continuous	Reference Condition	
74.29 Cond 11	In Compliance	Continuous	Reference Condition	
74.29 Cond 12	In Compliance	Continuous	Documentation of soil aeration log records	
74.29 Cond 13	In Compliance	Continuous	Documentation of compliance upon District request	
74.29 Cond 14	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	



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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	
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 - 5000 BBL PWT New Wemco Tank (TWCF-T400) VR Revised on 4/1/2014				
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	
<b>Equipment: 1 - 1000 BBL Solids Tank, COST (TWSI-T001) VR Revised on 4/1/2014</b>				
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 - Lloyd Solids Processing	
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	



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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	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: 1- 1050 MMBTU/Hr John Zink Hydra 8" Flare Revised on 4/1/2016</b>				
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 3	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	





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<b>Equipment: 1 - 205 MMBTU/Hr 6" Flare (includes coaxial 2 MMBTU/Hr 1.5" unit) Revised on 4/1/2016</b>				
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 3	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 616 BHP Lean Burn NG Waukesha Engine Model F352 IGL (C-201) Revised on 4/1/2016</b>				
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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	



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0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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 I.C. engine records	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 616 BHP Lean Burn NG Waukesha Engine Model F352IGL(C-202). Revised on 4/1/2016</b>				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



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0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	



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74.9N4 Cond 7	In Compliance	Continuous	Documentation of I.C. engine records	
TP0041 Cond	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 4/1/2014				
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 4/1/2014				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



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0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	



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74.9N4 Cond 7	In Compliance	Continuous	Documentation of I.C. engine records	
Equipment: 1108 BHP Lean Burn NG Waukesha Engine Model L7042GL (C-102) Revised on 4/1/2016				
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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	





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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	
<b>Equipment: 1108 BHP Lean Burn NG Waukesha Engine Model L7042GL (C-103) Revised on 4/1/2016</b>				
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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports	



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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	
<b>Equipment: Glycol Dehydrator System ( 16.1 MMSCFD/Triethylene Glycol)</b>				
1 - Glycol Dehydrator Vent VR				
1 - 0.865 MMBTU/HR NG Glycol Reboiler UNC				
1 - 11 BBL Glycol Condensation Tank VR. Revised on 4/1/2014				
71.5N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	The vapor recovery compressors for the Central Site glycol dehydrator went down due to an internal power failure resulting in ROC vapors not being directed to a vapor recovery/disposal system. Breakdown relief requested and granted.
71.5N1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	Event Date: 01/20/2017



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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	
<b>Equipment: 1 - 830 BBL Filter Agent Silo with Baghouse Control System (TWPM-T010) Revised on 4/1/2016</b>				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: 856 - Oil Wells Revised on 10/1/2009</b>				
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
<b>Equipment: 70 - 500 BBL Portable Tanks Revised on 1/5/2016</b>				
71.1N6 Cond 1	In Compliance	Continuous	Work Practices - Portable Tanks	
71.1N6 Cond 2	In Compliance	Continuous	Work Practices - Portable Tanks	
71.1N6 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	



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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	
<b>Equipment: Portable Open Top Mixing Bin, 242.25 sqft Revised on 4/1/2016</b>				
0041PC5 Cond 1	In Compliance	Continuous	Documentation of operating logs	
0041PC5 Cond 2	In Compliance	Continuous	Documentation of operating logs	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: Tank Truck LPG Loading Facility w/Closed Vapor Recovery System Revised on 4/1/2014</b>				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC11 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC11 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: 1 - 630 BHP Detroit Diesel Emergency Standby Engine, Serial NO. L16349 Revised on 4/1/2014</b>				
0041ZZZZN3 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN3 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN3 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	



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0041ZZZN3 Cond 4	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZN3 Cond 5	In Compliance	Continuous	Documentation of operating records	
0041ZZZN3 Cond 6	In Compliance	Continuous	Documentation of operating logs and maintenance logs	
0041ZZZN3 Cond 7	In Compliance	Continuous	Documentation of fuel delivery records	
0041ZZZN3 Cond 8	In Compliance	Continuous	Documentation of fuel delivery records	
0041ZZZN3 Cond 9	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	
<b>Equipment: 8000 bbl LACT Tank (VORD-T026A) VR Revised on 4/1/2014</b>				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A communication issue with the vapor control system for the 8,000 bbl LACT tank (T-026A) 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: 12/12/2016



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71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A Vares on the 8,000 bbl LACT (T-026A) was observed to be relieving pressure, resulting in ROC vapors not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.  Event Date: 12/28/2016
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- 8.0 MMBTU/hr NG BYSIS Manufacturing Oil Heater No. 601A, equipped with a Bloom Engineering/Gideon Ultra Low Nox burner Revised on 4/1/2014				
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	





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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	
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 31	In Compliance	Continuous	Records of fuel consumption	
<b>Equipment: 1 - 42.75 sqft (9.5' x 4.5') Covered Trough (Sump) Revised on 4/1/2014</b>				
0041PC14 Cond 4	In Compliance	Continuous	Work Practices - Lloyd Solids Processing	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	





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0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
71.4N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration and WP - Pits, Ponds, and Well Cellars	
71.4N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.4N1 Cond 3	In Compliance	Continuous	Documentation of leak inspections	
71.4N1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
<b>Equipment: 2 - 500 BBL Waste Fluids/Solids Storage Tanks, VR Revised on 4/1/2016</b>				
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 - Lloyd Solids Processing	
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	



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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	
71.1N6 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: 1-Brandt Centrifuge, Model HS-400 FS, "14 x 49.5" bowl size. Revised on 12/15/2014</b>				
0041PC14 Cond 5	In Compliance	Continuous	Work Practices - Lloyd Solids Processing	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
<b>Equipment: 1-3000 BBL PWT Spare Source Water Tank (TWCF-260B) VR. Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 -3000 BBL PWT Source Water Tank (TWCF-260A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 -3000 BBL PWT Hartman A Tank (TWPM-T210A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 3000 BBL PWT Hartman B Tank (TWPM-210B) VR. Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 3000 BBL LACT Tank (T-400A) VR. Revised on 4/1/2014</b>				
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		
<b>Equipment: 1 - 3000 BBL LACT Tank (T-420A) VR Revised on 4/1/2014</b>					
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		
<b>Equipment: 1 - 3000 BBL PWT / LACT (T-410A) VR Revised on 4/1/2014</b>					



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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	
<b>Equipment: 1 - 3000 BBL PWT / LACT (T-430A) VR Revised on 4/1/2014</b>				
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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<b>Equipment: 5000 bbl FWKO/Wash Tank (TOLD-T330A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 5000 bbl C-Block LACT Tank (TOLD-T310A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 5000 bbl D-Block LACT Tank (TOLD-T320A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 5000 BBL PWT Pre-Wemco Tank / LACT Tank (TWCF-T280A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 5000 BBL PWT Spare Pre-Wemco Tank / LACT Tank (TWCF-T280B) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 3000 BBL Hartman Filtered Water Tank (T-240A) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 238 BBL Emergency / Standby / Blowdown Tank Revised on 1/5/2016</b>				
0041PC15 Cond 1	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 2	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 3	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 4	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
<b>Equipment: 1 - 20,000 BBL PWT (T-204A), 32'H x 67'D VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 2- 500 BBL Emergency/ Standby/ Blowdown Tanks Revised on 1/5/2016</b>				
0041PC15 Cond 1	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 2	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 3	In Compliance	Continuous	Documentation of Inspection and Liquid Removal Logs	
0041PC15 Cond 4	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
<b>Equipment: 1- 5000 BBL PWT Blended Water Tank (VWCP T500) VR Revised on 4/1/2014</b>				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A leaking Varec (>10K ppm) on the 5,000 bbl produced water tank (T500) was identified resulting in ROC vapors not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.  Event Date: 09/22/2016
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	
<b>Equipment: 1- 4000 BBL PWT Pre-Wemco Tank (VWCP-T400) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1- 3000 BBL PWT Brine Tank (VWCP-T300) VR Revised on 4/1/2014</b>				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	



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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, exceedances, or additional data that indicated non compliance during the certification period)</small>
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	
<b>Equipment: 1- 2000 BBL PWT Wemco Skim Tank (VWCP-T200) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1- 1000 BBL PWT Overflow Tank (VWCP-T100) VR Revised on 4/1/2014</b>				





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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 - 894 BBL PWT-Cone Bottom 5-Cell Tank (VWCP-T401) VR Revised on 4/1/2014				
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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<b>Equipment: 1 - 1000 BBL Solids Tank, COST (VWST-T403) VR Revised on 4/1/2016</b>				
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 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	
71.1N6 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
TP0041 Cond	In Compliance	Continuous	Documentation of throughput records	
<b>Equipment: 1 - 625 BHP Rich Burn White NG Engine, Model G8258 (WF1-1) NSCR Revised on 4/1/2014</b>				
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	
0041ZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	



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0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	Records of emissions testing	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 625 BHP Rich Burn White NG Engine, Model G8258 (WF1-2) NSCR. Revised on 4/1/2014</b>				



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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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	Records of emissions testing	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 300 sq ft Pit (V127) Exempt &lt; 5 mg/l Revised on 4/1/2014</b>				
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	
<b>Equipment: 10,500 bbl LACT Tank (VOTD-T201) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 2,000 BBL Raw Water Tank (VWP4-T101) VR Revised on 4/1/2014</b>				
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	
<b>Equipment: 1 - 3,000 BBL Filtered Water Tank (VWP4-T102) VR Revised on 4/1/2014</b>				
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		
<b>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 4/1/2016</b>					
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	In Compliance	Continuous	Documentation of throughput records		
<b>Equipment: 1 - 292 MMBTU/Hr Kaldair Low Pressure Flare Revised on 4/1/2016</b>					
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 3	In Compliance	Continuous	Documentation of equipment configuration		





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0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 748 BHP Rich Burn Waukesha NG Engine Model L5790GU (CP2-1) NSCR Revised on 4/1/2014</b>				
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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
74.9N3 Cond 1	In Compliance	Continuous	Documentation of source test reports	





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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	Records of emissions testing	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	
<b>Equipment: 1 - 748 BHP Rich Burn Waukesha NG Engine Model L5790GU (CP2-2) NSCR Revised on 4/1/2014</b>				
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	
0041ZZZZN7 Cond 1	In Compliance	Continuous	Documentation of maintenance records	



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0041ZZZZN7 Cond 2	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
0041ZZZZN7 Cond 3	In Compliance	Continuous	Documentation of operating parameters	
0041ZZZZN7 Cond 4	In Compliance	Continuous	Documentation of maintenance records	
0041ZZZZN7 Cond 5	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
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	Records of emissions testing	
TP0041 Cond	In Compliance	Continuous	Documentation of fuel consumption records	

Aera Energy LLC

## Ventura Unit

Permit 00041

Annual Compliance Certification

April 1, 2016 – March 31, 2017

### **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:

- Lloyd Corporation Lease, IC Engine C-201, May 11, 2016
- Lloyd Corporate Lease, IC Engine C-202, May 12, 2016
- Waterflood Plant No. 1, IC Engines WF1-1, May 24, 2016
- Waterflood Plant No. 1, IC Engines WF1-2, May 24, 2016
- Gas Plant 7, BYIS Heater No. 601A, July 14, 2016

#### Rule 64.B.1 Compliance

The fuel test was performed by Aera personnel on 7/10/16 and the results were 0.5 ppm for H<sub>2</sub>S. The method used for this test was ASTM D 4810-88.

#### Rule 71.4 Compliance

There was no change in the operation of Pit V-127 during the certification period. Sampling of the fluid in the pit was performed on 9/27/16 (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

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

#### Rule 74.6 Compliance

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 "Out of Service" during the certification period:

- 1 - 435 BBL PWT Wemco #1 (VWCP-W410) VR
- 1 - 435 BBL PWT Wemco #2 (VWCP-W420) VR
- 1 – Crude Oil Loading Facility BL VR
- 1 – 173 BBL PWT Wemco #1 (TWCF-W001) VR
- 1 – 173 BBL PWT Wemco #2 (TWCF-W002) VR
- 1 – 173 BBL PWT Wemco #3 (TWCF-W003) VR
- 1 – 1000 BBL PWT Clean Water Tank (TWCF-T500) VR
- 1 – 5000 BBL PWT Old Wemco Tank (TWCF-T100) VR
- 1 – 500 BBL PWT Slop Tank (TWCF-T600) VR
- 1 – 1600 BBL PWT Flotation Cell Tank (TWCF-T200) VR
- 1 – 70,000 BBL Emergency Cement Bowl (CMTD-S70K)
- 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

Year: 2016-17

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 2, 2016			
						Apr	May	Jun	
C-101*	5/4/2016	10.91	NOX	22ppm	TJC	280	400	511	
			CO	321.7ppm					
C-102*	5/4/2016	10.98	NOX	21.7ppm	TJC	183	25	19	
			CO	316ppm					
C-103*	5/4/2016	10.87	NOX	23.3ppm	TJC	260	322	131	
			CO	341.3ppm					
C-201*			NOX		Aeros	123	196	511	Source test
			CO						
C-202*			NOX		Aeros	596	547	173	Source test
			CO						
CP 2-1**	6/22/2016	0.02	NOX	2.3ppm	TJC	715	295	475	
			CO	570.7ppm					
CP 2-2**	6/28/2016	0.13	NOX	12.7ppm	TJC	0	450	199	
			CO	661ppm					
WF1-1**			NOX		Aeros	0	333	0	Source test
			CO						
WF1-2**			NOX		Aeros	0	332	0	Source test
			CO						

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 3, 2016			
						Jul	Aug	Sep	
C-101*	8/25/2016	10.96	NOX	24.3ppm	TJC	708	325	393	
			CO	332.3ppm					
C-102*	8/25/2016	11.16	NOX	19ppm	TJC	0	420	328	
			CO	307.3ppm					
C-103*	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
C-201*	8/23/2016	10.79	NOX	23.7ppm	TJC	80	189	36	
			CO	321ppm					
C-202*	8/23/2016	10.78	NOX	34ppm	TJC	617	552	684	
			CO	294.3ppm					
CP 2-1**	9/27/2016	0.02	NOX	1.7ppm	TJC	0	364	215	
			CO	1261.7ppm					
CP 2-2**	9/27/2016	0.08	NOX	7.3ppm	TJC	708	380	496	
			CO	78ppm					
WF1-1**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
WF1-2**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						

\* Lean Burn NO<sub>x</sub> limit = 45 PPM

\*\* Rich Burn NO<sub>x</sub> limit = 25 PPM

All Engines CO limit = 4500 PPM

# Internal Combustion Engine Emissions Test Results

Analyzer Type: Testo

Year: 2016-17

**Runtime Hours**

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Quarter 4, 2016			Corrective Actions
						Oct	Nov	Dec	
C-101*	12/31/2016	11.48	NOX	20.7ppm	TJC	253	560	56	
			CO	422ppm					
C-102*	12/31/2016	11.21	NOX	26.3ppm	TJC	324	160	1	
			CO	314.7ppm					
C-103*	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
C-201*	12/13/2016	10.91	NOX	16.7ppm	TJC	102	201	435	
			CO	354.3ppm					
C-202*	12/13/2016	10.88	NOX	19.7ppm	TJC	641	378	308	
			CO	330ppm					
CP 2-1**	12/27/2016	0.00	NOX	2.3ppm	TJC	276	709	307	
			CO	492.3ppm					
CP 2-2**	12/27/2016	0.27	NOX	5ppm	TJC	469	1	431	
			CO	778.7ppm					
WF1-1**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
WF1-2**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Quarter 1, 2017			Corrective Actions
						Jan	Feb	Mar	
C-101*	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
C-102*	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
C-103*	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
C-201*	2/7/2017	11.54	NOX	7.7ppm	TJC	169	482	445	
			CO	437.3ppm					
C-202*	2/7/2017	11.30	NOX	10.3ppm	TJC	575	191	292	
			CO	339ppm					
CP 2-1**	3/15/2017	0.00	NOX	3ppm	TJC	436	539	564	
			CO	598.3ppm					
CP 2-2**	3/15/2017	0.18	NOX	4ppm	TJC	275	130	180	
			CO	254ppm					
WF1-1**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						
WF1-2**	N/A		NOX			0	0	0	Engine operated < 32 hrs/month
			CO						

\* Lean Burn NO<sub>x</sub> limit = 45 PPM

\*\* Rich Burn NO<sub>x</sub> limit = 25 PPM

All Engines CO limit = 4500 PPM



Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
5/26/2016	11.45	Auto Update	<input type="checkbox"/>		Engine offline between 5/27/16 and 3/31/17.
5/25/2016	11.95	Auto Update	<input type="checkbox"/>		
5/24/2016	11.06	Auto Update	<input type="checkbox"/>		
5/23/2016	9.56	Auto Update	<input type="checkbox"/>		
5/22/2016	9.11	Auto Update	<input type="checkbox"/>		
5/21/2016	9.72	Auto Update	<input type="checkbox"/>		
5/20/2016	9.01	Auto Update	<input type="checkbox"/>		
5/19/2016	8.83	Auto Update	<input type="checkbox"/>		
5/18/2016	8.45	Auto Update	<input type="checkbox"/>		
5/17/2016	8.67	Auto Update	<input type="checkbox"/>		
5/16/2016	8.97	Auto Update	<input type="checkbox"/>		
5/15/2016	8.33	Auto Update	<input type="checkbox"/>		
5/14/2016	7.77	Auto Update	<input type="checkbox"/>		
5/13/2016	7.68	Auto Update	<input type="checkbox"/>		
5/12/2016	7.17	Demand Update	<input type="checkbox"/>		
5/10/2016	8.00	Manual Update	<input type="checkbox"/>		
					Engine offline since 4/17/15.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
5/26/2016	7.27	Auto Update	<input type="checkbox"/>		Engine offline between 5/27/16 and 3/31/17.
5/25/2016	6.36	Auto Update	<input type="checkbox"/>		
5/24/2016	6.94	Auto Update	<input type="checkbox"/>		
5/23/2016	7.16	Auto Update	<input type="checkbox"/>		
5/22/2016	7.83	Auto Update	<input type="checkbox"/>		
5/21/2016	8.35	Auto Update	<input type="checkbox"/>		
5/20/2016	6.43	Auto Update	<input type="checkbox"/>		
5/19/2016	6.27	Auto Update	<input type="checkbox"/>		
5/18/2016	6.09	Auto Update	<input type="checkbox"/>		
5/17/2016	12.36	Auto Update	<input type="checkbox"/>		
5/16/2016	13.14	Auto Update	<input type="checkbox"/>		
5/15/2016	11.72	Auto Update	<input type="checkbox"/>		Engine offline on 5/11/16. Engine offline since 4/17/15.
5/14/2016	11.83	Auto Update	<input type="checkbox"/>		
5/13/2016	9.85	Auto Update	<input type="checkbox"/>		
5/12/2016	16.31	Demand Update	<input type="checkbox"/>		
5/10/2016	14.57	Demand Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
4/30/2016	3.91	Auto Update	<input type="checkbox"/>		
4/29/2016	3.39	Auto Update	<input type="checkbox"/>		
4/28/2016	3.87	Auto Update	<input type="checkbox"/>		
4/27/2016	3.58	Auto Update	<input type="checkbox"/>		
4/26/2016	2.62	Auto Update	<input type="checkbox"/>		
4/25/2016	3.50	Auto Update	<input type="checkbox"/>		
4/24/2016	3.76	Auto Update	<input type="checkbox"/>		
4/23/2016	3.54	Auto Update	<input type="checkbox"/>		
4/22/2016	3.65	Auto Update	<input type="checkbox"/>		
4/21/2016	4.14	Auto Update	<input type="checkbox"/>		
4/20/2016	3.99	Auto Update	<input type="checkbox"/>		
4/19/2016	4.16	Auto Update	<input type="checkbox"/>		
4/18/2016	4.60	Auto Update	<input type="checkbox"/>		
4/17/2016	4.28	Auto Update	<input type="checkbox"/>		
4/16/2016	5.04	Auto Update	<input type="checkbox"/>		
4/15/2016	5.25	Demand Update	<input type="checkbox"/>		
4/14/2016	3.64	Auto Update	<input type="checkbox"/>		
4/13/2016	3.69	Auto Update	<input type="checkbox"/>		
4/12/2016	3.33	Auto Update	<input type="checkbox"/>		
4/11/2016	4.64	Demand Update	<input type="checkbox"/>		
4/10/2016	4.58	Auto Update	<input type="checkbox"/>		
4/9/2016	3.72	Auto Update	<input type="checkbox"/>		
4/8/2016	3.56	Auto Update	<input type="checkbox"/>		
4/7/2016	3.57	Auto Update	<input type="checkbox"/>		
4/6/2016	3.44	Auto Update	<input type="checkbox"/>		
4/5/2016	4.72	Auto Update	<input type="checkbox"/>		
4/4/2016	4.97	Auto Update	<input type="checkbox"/>		
4/3/2016	4.75	Auto Update	<input type="checkbox"/>		
4/2/2016	4.20	Auto Update	<input type="checkbox"/>		
4/1/2016	5.18	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
5/27/2016	2.45	Demand Update	<input type="checkbox"/>		
5/12/2016	3.26	Auto Update	<input type="checkbox"/>		Engine offline between 5/28/16 and 5/31/16.
5/11/2016	3.16	Demand Update	<input type="checkbox"/>		Engine offline between 5/13/16 and 5/26/16.
5/10/2016	3.35	Auto Update	<input type="checkbox"/>		
5/9/2016	4.81	Auto Update	<input type="checkbox"/>		
5/8/2016	4.03	Auto Update	<input type="checkbox"/>		
5/7/2016	4.54	Auto Update	<input type="checkbox"/>		
5/6/2016	2.75	Auto Update	<input type="checkbox"/>		
5/5/2016	3.22	Auto Update	<input type="checkbox"/>		
5/4/2016	3.56	Auto Update	<input type="checkbox"/>		
5/3/2016	2.82	Auto Update	<input type="checkbox"/>		
5/2/2016	3.20	Auto Update	<input type="checkbox"/>		
5/1/2016	3.21	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
6/27/2016	2.71	Auto Update	<input type="checkbox"/>		Engine offline between 6/28/16 and 6/30/16.
6/26/2016	2.38	Auto Update	<input type="checkbox"/>		
6/25/2016	2.64	Auto Update	<input type="checkbox"/>		
6/24/2016	2.40	Auto Update	<input type="checkbox"/>		
6/23/2016	2.44	Auto Update	<input type="checkbox"/>		
6/22/2016	2.19	Auto Update	<input type="checkbox"/>		
6/21/2016	2.34	Auto Update	<input type="checkbox"/>		
6/20/2016	2.17	Auto Update	<input type="checkbox"/>		
6/19/2016	2.90	Auto Update	<input type="checkbox"/>		
6/18/2016	2.75	Auto Update	<input type="checkbox"/>		
6/17/2016	2.38	Auto Update	<input type="checkbox"/>		
6/16/2016	2.66	Auto Update	<input type="checkbox"/>		
6/15/2016	2.59	Auto Update	<input type="checkbox"/>		
6/14/2016	2.39	Auto Update	<input type="checkbox"/>		
6/13/2016	2.80	Auto Update	<input type="checkbox"/>		
6/12/2016	3.06	Auto Update	<input type="checkbox"/>		
6/11/2016	2.96	Auto Update	<input type="checkbox"/>		
6/10/2016	3.06	Auto Update	<input type="checkbox"/>		
6/9/2016	2.84	Auto Update	<input type="checkbox"/>		
6/8/2016	2.43	Auto Update	<input type="checkbox"/>		
6/7/2016	2.28	Demand Update	<input type="checkbox"/>		Engine offline between 6/1/16 and 6/6/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
8/31/2016	3.43	Auto Update	<input type="checkbox"/>		
8/30/2016	2.78	Auto Update	<input type="checkbox"/>		
8/29/2016	2.82	Demand Update	<input type="checkbox"/>		
8/28/2016	2.46	Auto Update	<input type="checkbox"/>		
8/27/2016	2.35	Auto Update	<input type="checkbox"/>		
8/26/2016	1.88	Auto Update	<input type="checkbox"/>		
8/25/2016	2.51	Auto Update	<input type="checkbox"/>		
8/24/2016	2.23	Auto Update	<input type="checkbox"/>		
8/23/2016	1.89	Demand Update	<input type="checkbox"/>		
8/22/2016	2.19	Auto Update	<input type="checkbox"/>		
8/21/2016	1.70	Auto Update	<input type="checkbox"/>		
8/20/2016	2.33	Auto Update	<input type="checkbox"/>		
8/19/2016	1.94	Auto Update	<input type="checkbox"/>		
8/18/2016	1.40	Auto Update	<input type="checkbox"/>		
8/17/2016	1.58	Auto Update	<input type="checkbox"/>		Engine offline between 8/1/16 and 8/16/16.



Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
9/29/2016	2.43	Auto Update	<input type="checkbox"/>		Engine offline on 9/30/16.
9/28/2016	1.76	Auto Update	<input type="checkbox"/>		Engine offline between 9/26/16 and 9/27/16.
9/25/2016	1.94	Auto Update	<input type="checkbox"/>		
9/24/2016	2.14	Auto Update	<input type="checkbox"/>		
9/23/2016	1.95	Demand Update	<input type="checkbox"/>		
9/22/2016	2.62	Auto Update	<input type="checkbox"/>		
9/21/2016	1.61	Auto Update	<input type="checkbox"/>		
9/20/2016	1.42	Auto Update	<input type="checkbox"/>		Engine offline between 9/1/16 and 9/19/16.

## VNGCP2\_CAM1

Oct-2016

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
10/31/2016	5.50	Auto Update	<input type="checkbox"/>		
10/30/2016	4.90	Auto Update	<input type="checkbox"/>		
10/29/2016	4.28	Auto Update	<input type="checkbox"/>		
10/28/2016	3.08	Auto Update	<input type="checkbox"/>		
10/27/2016	6.89	Auto Update	<input type="checkbox"/>		
10/26/2016	11.23	Auto Update	<input type="checkbox"/>		
10/25/2016	2.86	Demand Update	<input type="checkbox"/>		
10/24/2016	0.00	Demand Update	<input type="checkbox"/>		
10/23/2016	8.35	Demand Update	<input type="checkbox"/>		
10/22/2016	2.36	Auto Update	<input type="checkbox"/>		
10/21/2016	3.71	Auto Update	<input type="checkbox"/>		Engine offline between 10/1/16 and 10/20/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
11/30/2016	4.79	Auto Update	<input type="checkbox"/>		
11/29/2016	4.61	Auto Update	<input type="checkbox"/>		
11/28/2016	6.83	Auto Update	<input type="checkbox"/>		
11/27/2016	6.80	Auto Update	<input type="checkbox"/>		
11/26/2016	6.62	Auto Update	<input type="checkbox"/>		
11/25/2016	6.51	Auto Update	<input type="checkbox"/>		
11/24/2016	7.13	Auto Update	<input type="checkbox"/>		
11/23/2016	5.88	Auto Update	<input type="checkbox"/>		
11/22/2016	4.69	Auto Update	<input type="checkbox"/>		
11/21/2016	4.86	Auto Update	<input type="checkbox"/>		
11/20/2016	6.04	Auto Update	<input type="checkbox"/>		
11/19/2016	6.43	Auto Update	<input type="checkbox"/>		
11/18/2016	7.54	Auto Update	<input type="checkbox"/>		
11/17/2016	3.46	Auto Update	<input type="checkbox"/>		
11/16/2016	4.32	Auto Update	<input type="checkbox"/>		
11/15/2016	3.41	Auto Update	<input type="checkbox"/>		
11/14/2016	3.31	Auto Update	<input type="checkbox"/>		
11/13/2016	3.96	Auto Update	<input type="checkbox"/>		
11/12/2016	4.64	Auto Update	<input type="checkbox"/>		
11/11/2016	10.85	Auto Update	<input type="checkbox"/>		
11/10/2016	8.90	Auto Update	<input type="checkbox"/>		
11/9/2016	6.93	Auto Update	<input type="checkbox"/>		
11/8/2016	5.46	Auto Update	<input type="checkbox"/>		
11/7/2016	5.47	Auto Update	<input type="checkbox"/>		
11/6/2016	3.92	Auto Update	<input type="checkbox"/>		
11/5/2016	2.95	Auto Update	<input type="checkbox"/>		
11/4/2016	3.62	Auto Update	<input type="checkbox"/>		
11/3/2016	3.90	Auto Update	<input type="checkbox"/>		
11/2/2016	6.04	Auto Update	<input type="checkbox"/>		
11/1/2016	5.22	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
12/16/2016	9.16	Demand Update	<input type="checkbox"/>		
12/15/2016	1.79	Demand Update	<input type="checkbox"/>		
12/14/2016	1.59	Auto Update	<input type="checkbox"/>		
12/13/2016	1.91	Auto Update	<input type="checkbox"/>		
12/9/2016	3.00	Manual Update	<input type="checkbox"/>		
12/8/2016	5.34	Auto Update	<input type="checkbox"/>		
12/7/2016	1.49	Auto Update	<input type="checkbox"/>		
12/6/2016	7.00	Manual Update	<input type="checkbox"/>		
12/5/2016	2.90	Auto Update	<input type="checkbox"/>		
12/4/2016	2.85	Auto Update	<input type="checkbox"/>		
12/3/2016	3.34	Demand Update	<input type="checkbox"/>		
12/2/2016	3.05	Auto Update	<input type="checkbox"/>		
12/1/2016	6.22	Auto Update	<input type="checkbox"/>		
					Engine offline between 12/17/16 and 12/31/16.
					Engine offline between 12/10/16 and 12/12/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
1/31/2017	3.56	Demand Update	<input type="checkbox"/>		
1/30/2017	1.44	Auto Update	<input type="checkbox"/>		
1/29/2017	1.48	Auto Update	<input type="checkbox"/>		
1/28/2017	1.69	Auto Update	<input type="checkbox"/>		
1/27/2017	1.70	Auto Update	<input type="checkbox"/>		
1/26/2017	1.83	Auto Update	<input type="checkbox"/>		
1/25/2017	1.67	Auto Update	<input type="checkbox"/>		
1/24/2017	1.66	Auto Update	<input type="checkbox"/>		
1/23/2017	1.47	Auto Update	<input type="checkbox"/>		
1/22/2017	1.98	Auto Update	<input type="checkbox"/>		
1/21/2017	1.53	Auto Update	<input type="checkbox"/>		
1/20/2017	1.71	Auto Update	<input type="checkbox"/>		
1/19/2017	1.68	Demand Update	<input type="checkbox"/>		Engine offline on 1/18/17.
1/17/2017	1.50	Auto Update	<input type="checkbox"/>		
1/16/2017	1.34	Auto Update	<input type="checkbox"/>		
1/15/2017	1.43	Auto Update	<input type="checkbox"/>		
1/14/2017	1.39	Demand Update	<input type="checkbox"/>		Engine offline between 1/1/17 and 1/12/17.
1/13/2017	1.65	Demand Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
2/23/2017	6.93	Auto Update	<input type="checkbox"/>		Engine offline between 2/24/17 and 2/28/17.
2/22/2017	5.61	Auto Update	<input type="checkbox"/>		
2/21/2017	4.87	Auto Update	<input type="checkbox"/>		
2/20/2017	5.21	Auto Update	<input type="checkbox"/>		
2/19/2017	4.31	Auto Update	<input type="checkbox"/>		
2/18/2017	3.95	Auto Update	<input type="checkbox"/>		
2/17/2017	4.07	Auto Update	<input type="checkbox"/>		
2/16/2017	3.06	Auto Update	<input type="checkbox"/>		
2/15/2017	3.11	Auto Update	<input type="checkbox"/>		
2/14/2017	2.46	Auto Update	<input type="checkbox"/>		
2/13/2017	2.83	Auto Update	<input type="checkbox"/>		
2/12/2017	4.02	Auto Update	<input type="checkbox"/>		
2/11/2017	3.12	Auto Update	<input type="checkbox"/>		
2/10/2017	3.57	Auto Update	<input type="checkbox"/>		
2/9/2017	2.98	Auto Update	<input type="checkbox"/>		
2/8/2017	3.68	Auto Update	<input type="checkbox"/>		
2/7/2017	2.85	Auto Update	<input type="checkbox"/>		
2/6/2017	3.64	Auto Update	<input type="checkbox"/>		
2/5/2017	2.39	Auto Update	<input type="checkbox"/>		
2/4/2017	2.69	Auto Update	<input type="checkbox"/>		
2/3/2017	3.17	Auto Update	<input type="checkbox"/>		
2/2/2017	3.84	Auto Update	<input type="checkbox"/>		
2/1/2017	3.54	Auto Update	<input type="checkbox"/>		



Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
3/31/2017	6.88	Demand Update	<input type="checkbox"/>		
3/30/2017	4.81	Demand Update	<input type="checkbox"/>		
3/29/2017	4.66	Demand Update	<input type="checkbox"/>		
3/28/2017	5.56	Demand Update	<input type="checkbox"/>		
3/27/2017	4.83	Auto Update	<input type="checkbox"/>		
3/26/2017	4.68	Auto Update	<input type="checkbox"/>		
3/25/2017	4.32	Auto Update	<input type="checkbox"/>		
3/24/2017	3.54	Auto Update	<input type="checkbox"/>		
3/23/2017	4.35	Auto Update	<input type="checkbox"/>		
3/22/2017	3.76	Auto Update	<input type="checkbox"/>		
3/21/2017	3.31	Auto Update	<input type="checkbox"/>		
3/20/2017	3.59	Auto Update	<input type="checkbox"/>		
3/19/2017	3.00	Auto Update	<input type="checkbox"/>		
3/18/2017	2.96	Auto Update	<input type="checkbox"/>		
3/17/2017	2.74	Auto Update	<input type="checkbox"/>		
3/16/2017	2.41	Auto Update	<input type="checkbox"/>		
3/15/2017	2.72	Demand Update	<input type="checkbox"/>		
3/14/2017	3.44	Auto Update	<input type="checkbox"/>		
3/13/2017	3.43	Demand Update	<input type="checkbox"/>		
3/12/2017	3.76	Auto Update	<input type="checkbox"/>		
3/11/2017	3.76	Auto Update	<input type="checkbox"/>		
3/10/2017	3.35	Auto Update	<input type="checkbox"/>		
3/9/2017	3.19	Auto Update	<input type="checkbox"/>		Engine offline between 3/1/17 and 3/8/17.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
5/31/2016	3.71	Auto Update	<input type="checkbox"/>		
5/30/2016	2.28	Auto Update	<input type="checkbox"/>		
5/29/2016	2.31	Auto Update	<input type="checkbox"/>		
5/28/2016	3.16	Auto Update	<input type="checkbox"/>		Engine offline on 5/27/16.
5/26/2016	2.67	Auto Update	<input type="checkbox"/>		
5/25/2016	2.99	Auto Update	<input type="checkbox"/>		
5/24/2016	1.86	Auto Update	<input type="checkbox"/>		
5/23/2016	2.47	Auto Update	<input type="checkbox"/>		
5/22/2016	1.98	Auto Update	<input type="checkbox"/>		
5/21/2016	2.35	Auto Update	<input type="checkbox"/>		
5/20/2016	6.63	Auto Update	<input type="checkbox"/>		
5/19/2016	5.33	Auto Update	<input type="checkbox"/>		
5/18/2016	2.11	Auto Update	<input type="checkbox"/>		
5/17/2016	7.07	Auto Update	<input type="checkbox"/>		
5/16/2016	10.53	Auto Update	<input type="checkbox"/>		
5/15/2016	12.17	Auto Update	<input type="checkbox"/>		
5/14/2016	15.00	Auto Update	<input type="checkbox"/>		
5/13/2016	14.83	Demand Update	<input type="checkbox"/>		Engine offline between 4/1/16 and 5/12/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
6/29/2016	1.50	Auto Update	<input type="checkbox"/>		Engine offline on 6/30/16.
6/28/2016	1.99	Auto Update	<input type="checkbox"/>		Engine offline between 6/8/16 and 6/27/16.
6/7/2016	3.69	Auto Update	<input type="checkbox"/>		
6/6/2016	2.37	Auto Update	<input type="checkbox"/>		
6/5/2016	2.28	Demand Update	<input type="checkbox"/>		
6/4/2016	2.28	Auto Update	<input type="checkbox"/>		
6/3/2016	3.50	Auto Update	<input type="checkbox"/>		
6/2/2016	2.32	Auto Update	<input type="checkbox"/>		
6/1/2016	4.16	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
7/31/2016	5.96	Auto Update	<input type="checkbox"/>		
7/30/2016	2.63	Demand Update	<input type="checkbox"/>		
7/29/2016	5.09	Auto Update	<input type="checkbox"/>		
7/28/2016	2.05	Auto Update	<input type="checkbox"/>		
7/27/2016	2.63	Auto Update	<input type="checkbox"/>		
7/26/2016	4.97	Auto Update	<input type="checkbox"/>		
7/25/2016	2.63	Auto Update	<input type="checkbox"/>		
7/24/2016	2.51	Auto Update	<input type="checkbox"/>		
7/23/2016	3.47	Auto Update	<input type="checkbox"/>		
7/22/2016	2.56	Auto Update	<input type="checkbox"/>		
7/21/2016	6.67	Auto Update	<input type="checkbox"/>		
7/20/2016	2.90	Auto Update	<input type="checkbox"/>		
7/19/2016	3.14	Auto Update	<input type="checkbox"/>		
7/18/2016	2.62	Auto Update	<input type="checkbox"/>		
7/17/2016	7.86	Auto Update	<input type="checkbox"/>		
7/16/2016	13.99	Auto Update	<input type="checkbox"/>		
7/15/2016	7.72	Auto Update	<input type="checkbox"/>		
7/14/2016	3.38	Auto Update	<input type="checkbox"/>		
7/13/2016	4.52	Auto Update	<input type="checkbox"/>		
7/12/2016	3.22	Auto Update	<input type="checkbox"/>		
7/11/2016	4.08	Auto Update	<input type="checkbox"/>		
7/10/2016	2.86	Auto Update	<input type="checkbox"/>		
7/9/2016	2.36	Auto Update	<input type="checkbox"/>		
7/8/2016	13.84	Auto Update	<input type="checkbox"/>		
7/7/2016	10.83	Auto Update	<input type="checkbox"/>		
7/6/2016	2.84	Auto Update	<input type="checkbox"/>		
7/5/2016	6.24	Auto Update	<input type="checkbox"/>		
7/4/2016	2.88	Auto Update	<input type="checkbox"/>		
7/3/2016	4.39	Auto Update	<input type="checkbox"/>		
7/2/2016	4.83	Demand Update	<input type="checkbox"/>		Engine offline on 7/1/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
8/16/2016	17.95	Auto Update	<input type="checkbox"/>		Engine offline between 8/17/16 and 8/31/16.
8/15/2016	4.97	Auto Update	<input type="checkbox"/>		
8/14/2016	11.15	Auto Update	<input type="checkbox"/>		
8/13/2016	6.37	Auto Update	<input type="checkbox"/>		
8/12/2016	4.58	Auto Update	<input type="checkbox"/>		
8/11/2016	3.98	Auto Update	<input type="checkbox"/>		
8/10/2016	3.23	Auto Update	<input type="checkbox"/>		
8/9/2016	4.45	Auto Update	<input type="checkbox"/>		
8/8/2016	3.31	Auto Update	<input type="checkbox"/>		
8/7/2016	3.21	Auto Update	<input type="checkbox"/>		
8/6/2016	2.86	Auto Update	<input type="checkbox"/>		
8/5/2016	3.20	Auto Update	<input type="checkbox"/>		
8/4/2016	3.18	Auto Update	<input type="checkbox"/>		
8/3/2016	3.65	Auto Update	<input type="checkbox"/>		
8/2/2016	2.88	Auto Update	<input type="checkbox"/>		
8/1/2016	3.86	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
9/30/2016	3.43	Demand Update	<input type="checkbox"/>		
9/27/2016	7.33	Auto Update	<input type="checkbox"/>		Engine offline between 9/28/16 and 9/29/16.
9/19/2016	3.32	Auto Update	<input type="checkbox"/>		Engine offline between 9/20/16 and 9/26/16.
9/18/2016	3.48	Auto Update	<input type="checkbox"/>		
9/17/2016	7.97	Auto Update	<input type="checkbox"/>		
9/16/2016	4.44	Auto Update	<input type="checkbox"/>		
9/15/2016	5.13	Auto Update	<input type="checkbox"/>		
9/14/2016	3.98	Auto Update	<input type="checkbox"/>		
9/13/2016	12.09	Auto Update	<input type="checkbox"/>		
9/12/2016	13.90	Auto Update	<input type="checkbox"/>		
9/11/2016	8.10	Auto Update	<input type="checkbox"/>		
9/10/2016	6.01	Auto Update	<input type="checkbox"/>		
9/9/2016	6.06	Demand Update	<input type="checkbox"/>		
9/8/2016	4.73	Auto Update	<input type="checkbox"/>		
9/7/2016	2.77	Demand Update	<input type="checkbox"/>		
9/6/2016	4.44	Auto Update	<input type="checkbox"/>		
9/5/2016	4.69	Auto Update	<input type="checkbox"/>		
9/4/2016	6.27	Auto Update	<input type="checkbox"/>		
9/3/2016	4.06	Auto Update	<input type="checkbox"/>		
9/2/2016	6.85	Auto Update	<input type="checkbox"/>		
9/1/2016	1.94	Auto Update	<input type="checkbox"/>		



Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
10/20/2016	13.31	Auto Update	<input type="checkbox"/>		Engine offline between 10/21/17 and 10/31/17.
10/19/2016	3.03	Auto Update	<input type="checkbox"/>		
10/18/2016	2.77	Auto Update	<input type="checkbox"/>		
10/17/2016	2.90	Auto Update	<input type="checkbox"/>		
10/16/2016	3.39	Auto Update	<input type="checkbox"/>		
10/15/2016	2.73	Auto Update	<input type="checkbox"/>		
10/14/2016	3.07	Auto Update	<input type="checkbox"/>		
10/13/2016	2.41	Auto Update	<input type="checkbox"/>		
10/12/2016	3.39	Auto Update	<input type="checkbox"/>		
10/11/2016	1.95	Auto Update	<input type="checkbox"/>		
10/10/2016	4.24	Auto Update	<input type="checkbox"/>		
10/9/2016	2.77	Auto Update	<input type="checkbox"/>		
10/8/2016	7.80	Auto Update	<input type="checkbox"/>		
10/7/2016	2.33	Auto Update	<input type="checkbox"/>		
10/6/2016	2.30	Auto Update	<input type="checkbox"/>		
10/5/2016	2.30	Auto Update	<input type="checkbox"/>		
10/4/2016	2.19	Auto Update	<input type="checkbox"/>		
10/3/2016	3.23	Auto Update	<input type="checkbox"/>		
10/2/2016	3.07	Auto Update	<input type="checkbox"/>		
10/1/2016	3.25	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
12/31/2016	2.26	Auto Update	<input type="checkbox"/>		
12/30/2016	2.14	Auto Update	<input type="checkbox"/>		
12/29/2016	4.58	Auto Update	<input type="checkbox"/>		
12/28/2016	5.15	Demand Update	<input type="checkbox"/>		
12/27/2016	6.30	Auto Update	<input type="checkbox"/>		
12/26/2016	5.20	Auto Update	<input type="checkbox"/>		
12/25/2016	4.25	Auto Update	<input type="checkbox"/>		
12/24/2016	2.35	Auto Update	<input type="checkbox"/>		
12/23/2016	1.49	Auto Update	<input type="checkbox"/>		
12/22/2016	1.52	Auto Update	<input type="checkbox"/>		
12/21/2016	2.42	Demand Update	<input type="checkbox"/>		
12/20/2016	4.31	Demand Update	<input type="checkbox"/>		
12/19/2016	4.25	Auto Update	<input type="checkbox"/>		
12/18/2016	3.16	Auto Update	<input type="checkbox"/>		
12/17/2016	2.86	Auto Update	<input type="checkbox"/>		Engine offline between 12/13/16 and 12/16/16.
12/12/2016	8.33	Auto Update	<input type="checkbox"/>		
12/11/2016	7.71	Auto Update	<input type="checkbox"/>		
12/10/2016	5.89	Demand Update	<input type="checkbox"/>		Engine offline between 11/1/16 and 12/9/16.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
1/12/2017	2.29	Auto Update	<input type="checkbox"/>		Engine offline between 1/13/17 and 1/31/17.
1/11/2017	11.22	Auto Update	<input type="checkbox"/>		
1/10/2017	2.79	Auto Update	<input type="checkbox"/>		
1/9/2017	2.05	Auto Update	<input type="checkbox"/>		
1/8/2017	3.21	Auto Update	<input type="checkbox"/>		
1/7/2017	2.21	Auto Update	<input type="checkbox"/>		
1/6/2017	3.57	Auto Update	<input type="checkbox"/>		
1/5/2017	1.94	Auto Update	<input type="checkbox"/>		
1/4/2017	2.30	Demand Update	<input type="checkbox"/>		
1/3/2017	2.76	Auto Update	<input type="checkbox"/>		
1/2/2017	3.33	Auto Update	<input type="checkbox"/>		
1/1/2017	4.98	Auto Update	<input type="checkbox"/>		

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
2/28/2017	2.16	Auto Update	<input type="checkbox"/>		
2/27/2017	3.80	Auto Update	<input type="checkbox"/>		
2/26/2017	1.91	Auto Update	<input type="checkbox"/>		
2/25/2017	2.70	Auto Update	<input type="checkbox"/>		
2/24/2017	2.62	Auto Update	<input type="checkbox"/>		Engine offline between 2/1/17 and 2/23/17.

Date	NOx Avg	Method	Excursion	Duration	Cause/Corrective Action or Comments
3/8/2017	5.08	Auto Update	<input type="checkbox"/>		Engine offline between 3/9/17 and 3/31/17.
3/7/2017	2.36	Demand Update	<input type="checkbox"/>		
3/6/2017	2.26	Auto Update	<input type="checkbox"/>		
3/5/2017	3.12	Auto Update	<input type="checkbox"/>		
3/4/2017	2.45	Auto Update	<input type="checkbox"/>		
3/3/2017	2.64	Auto Update	<input type="checkbox"/>		
3/2/2017	2.58	Auto Update	<input type="checkbox"/>		
3/1/2017	6.00	Auto Update	<input type="checkbox"/>		

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

Engine Location: <b>Central Site C-101</b>		Engine I.D.: <b>Waukesha 7042 GL</b>											
Oil Filter No.		Plug No.		Fan Belt No. <b>5VX1800</b>			Oil Capacity _____ Gal.			Fan <b>5VX1800 [3]</b>			
Engine Water Pump Belt No. <b>A-168540</b>		Auxiliary Water Pump <b>A199868A</b>											
Year: 2016	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
Date:	1/19/2016		1/31/2016		5/26/2016		7/12/2016	9/8/2016			11/16/2016		
PM Number:	910808418		910813073		910823624		910828541	910835089			910842150		
Engine Oil Change	Yes	No	No	No	No	No	No	Yes			No	No	
Take Oil Sample for Analysis	No	No	No	No	No	No	No	No			No	No	
Engine Filter Change	Yes	No	No	Yes	Yes	No	No	Yes			No	No	
Compressor Oil Change	No	No	No	No	No	No	No	No			No	No	
Compressor Filter Change	Yes	Yes	No	No	No	No	No	Yes			No	No	
Set Valves	Yes	Yes	No	Yes	Yes	No	No	Yes			No	No	
Change Ignition Timer	No	No	No	No	No	No	No	No			No	No	
Inspect/Change Spark Plugs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Set Timing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Change Air Filters	No	No	No	No	No	No	No	No			No	No	
Change Pre-Air Filters	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Inspect Hoses	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Change Hoses	No	No	No	No	No	No	No	No			No	No	
Inspect Belts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Change Belts	No	No	No	No	No	No	No	No			No	No	
Change Fan / Water Pump	No	No	No	No	No	No	No	No			No	No	
Check Safety Shutdowns	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Change Converter	No	No	No	No	No	No	No	No			No	No	
Change O2 Sensor	No	No	No	No	No	No	No	No			No	No	
Inspect Fuel Control Valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
Clean Carburetor	No	No	No	No	No	No	No	No			No	No	
Run-Time Hours Since Last Service	1,714		650		1,041		758	1,549			857		
Engine RPM	850		850		850		850	850			850		
(Permit Limit: N/A)													
Other Notes/Corrections:	2000hr service		1000hr service		2000hr service		1000hr service	2000hr service			1000hr service		
total engine hours runtime >	157,903		158,553		159,594		160,352	161,143			162,000		
Mechanic Initials	tjc		tjc		DRD		tjc	tjc			tjc		
Test Converter													
Date													
Result													
Operator Initials													

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

Engine Location: <b>Central Site C-101</b> Engine I.D.: <b>Waukesha 7042 GL</b>												
Oil Filter No.	Plug No.	Fan Belt No. <b>5VX1800</b>	Oil Capacity _____ Gal.									
Engine Water Pump Belt No. <b>A-168540</b>	Auxiliary Water Pump <b>A199868A</b> Fan <b>5VX1800 [3]</b>											
Year: <b>2017</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Delta:												
PM Number:												
Engine Oil Change												
Take Oil Sample for Analysis												
Engine Filter Change												
Compressor Oil Change												
Compressor Filter Change												
Set Valves												
Change Ignition Timer												
Inspect/Change Spark Plugs												
Set Timing												
Change Air Filters												
Change Pre-Air Filters												
Inspect Hoses												
Change Hoses												
Inspect Belts												
Change Belts												
Change Fan / Water Pump												
Check Safety Shutdowns												
Change Converter												
Change O2 Sensor												
Inspect Fuel Control Valve												
Clean Carburetor												
Run-Time Hours Since Last Service												
Engine RPM												
(Permit Limit: <i>N/A</i> )												
Other Notes/Corrections:												
	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN									
total engine hours runtime >												
Mechanic Initials												
Test Converter	Date											
	Result											
	Operator Initials											



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

Engine Location: Central Site C-102		Engine I.D.: Waukesha 7042 GL											
Oil Filter No.		Plug No. RTM 77N			Fan Belt No. 5VX1800			Oil Capacity _____ Gal.			Fan 5VX1800 [3]		
Engine Water Pump Belt No. A168540		Auxiliary Water Pump A199868A											
Year: 2016	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
Date:	1/23/2016		3/2/2016		5/4/2016			8/31/2016			11/14/2016		
PM Number:	910808418		910813073					910835088			910842797		
Engine Oil Change	Yes		No					No			Yes		
Take Oil Sample for Analysis	No		No					No			No		
Engine Filter Change	Yes		No					No			Yes		
Compressor Oil Change	No		No					No			No		
Compressor Filter Change	Yes		No					No			Yes		
Set Valves	Yes		No					No			Yes		
Change Ignition Timer	No		No					No			No		
Inspect/Change Spark Plugs	Yes		Yes					Yes			Yes		
Set Timing	Yes		Yes					Yes			Yes		
Change Air Filters	No		No					No			No		
Change Pre-Air Filters	Yes		Yes					Yes			Yes		
Inspect Hoses	Yes		Yes					Yes			Yes		
Change Hoses	No		No					No			No		
Inspect Belts	Yes		Yes					Yes			Yes		
Change Belts	No		No					No			No		
Change Fan / Water Pump	No		No					No			No		
Check Safety Shutdowns	Yes		Yes					Yes			Yes		
Change Converter	No		No					No			No		
Change O2 Sensor	No		No					No			No		
Check Cylinders for light	Yes		No					No			Yes		
Inspect Fuel Control Valve	Yes		Yes					Yes			Yes		
Clean Carburetor	No		No					No			No		
Run-Time Hours Since Last Service	623		361					634			1813		
Engine RPM	850		850					850			850		
(Permit Limit: N/A)													
Other Notes/Corrections:			1000hr service assessed during Quarterly Emission Screening Analysis - all systems ok					1000hr service			2000hr service		
Engine Overhauled 12/13/05			3/31/16 water pump changed										
1110,729 Hrs.													
total engine hours runtime >	155,603		155,984					156,598			157,416		
Mechanic initials			lic					lic			lic		
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.	Oil Capacity _____ Gal.											
Engine Water Pump Belt No. A168540	Fan Belt No. 5VX1800											
Year: 2017	Auxiliary Water Pump A199868A											
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:												
Engine Oil Change												
Take Oil Sample for Analysis												
Engine Filter Change												
Compressor Oil Change												
Compressor Filter Change												
Set Valves												
Change Ignition Timer												
Inspect/Change Spark Plugs												
Set Timing												
Change Air Filters												
Change Pre-Air Filters												
Inspect Hoses												
Change Hoses												
Inspect Belts												
Change Belts												
Change Fan / Water Pump												
Check Safety Shutdowns												
Change Converter												
Change O2 Sensor												
Check Cylinders for tight												
Inspect Fuel Control Valve												
Clean Carburetor												
Run-Time Hours Since Last Service												
Engine RPM												
(Permit Limit: N/A)												
Other Notes/Corrections:												
Engine Overhauled 12/13/05												
110,729 Hrs.												
total engine hours runtime >												
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: <b>Central Site C-103</b>												
Engine I.D.: <b>Waukesha 7042GL</b>												
Oil Filter No.			Plug No. <b>RTM77N .012</b>			Fan Belt No. <b>N/A</b>			Oil Capacity _____ Gal.			
Engine Water Pump Belt No. <b>A168540</b>			Auxiliary Water Pump <b>A199868A</b>			Fan <b>5VX1800 [3]</b>			Year: <b>2016</b>			
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:	3/23/2016					6/13/2016						
Engine Oil Change						No						
Take Oil Sample for Analysis						Yes						
Engine Filter Change						No						
Compressor Oil Change						No						
Compressor Filter Change						No						
Set Valves						No						
Change Ignition Timer						No						
Inspect/Change Spark Plugs						Yes						
Set Timing						Yes						
Change Air Filters						No						
Change Pre-Air Filters						Yes						
Inspect Hoses						Yes						
Change Hoses						No						
Inspect Belts						Yes						
Change Belts						no						
Change 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						981						
Engine RPM						850						
(Permit Limit: _____)												
Other Notes/Corrections:	engine assessed during Quarterly Emission Screening Analysis - all systems ok											
total engine hours runtime >	159,634											
Mechanic Initials	tjc											
Test Converter	tjc											
Date												
Result												
Operator Initials												

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

Engine Location: Central Site C-103 Engine I.D.: Waukesha 7042GL

Oil Filter No. Plug No. RTM77N .012 Fan Belt No. N/A Oil Capacity  Gal.

Engine Water Pump Belt No. A168540 Auxiliary Water Pump A199868A Fan 5VX1800 [3]

Date:	Year: 2017		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	PM Number:													
Engine Oil Change														
Take Oil Sample for Analysis														
Engine Filter Change														
Compressor Oil Change														
Compressor Filter Change														
Set Valves														
Change Ignition Timer														
Inspect/Change Spark Plugs														
Set Timing														
Change Air Filters														
Change Pre-Air Filters														
Inspect Hoses														
Change Hoses														
Inspect Belts														
Change Belts														
Change Fan / Water Pump														
Check Safety Shutdowns														
Change Converter														
Change O2 Sensor														
Inspect Fuel Control Valve														
Clean Carburetor														
Run-Time Hours Since Last Service														
Engine RPM														
(Permit Limit: _____)														
Other Notes/Corrections:			ENGINE DOWN	ENGINE DOWN	ENGINE DOWN									
total engine hours runtime >														
Mechanic 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												
Oil Filter No.		Plug No RM-77N		Fan Belt No. N/A		Oil Capacity _____ Gal.		Engine I.D.: Waukesha 5790GU				
Engine Water Pump Belt No. A-209617			Auxiliary Water Pump A-199868			Fan C-136						
Year: 2016	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	3/16/2016					6/28/2016			9/27/2016			12/29/2016
PM Number:					910827337							910849483
Engine Oil Change					Yes							Yes
Take Oil Sample for Analysis					No							No
Engine Filter Change					Yes							Yes
Compressor Oil Change					No							No
Compressor Filter Change					Yes							Yes
Set Valves					Yes							Yes
Change Ignition Timer					No							No
Inspect/Change Spark Plugs					Yes							Yes
Set Timing					Yes							Yes
Change Air Filters					No							No
Change Pre-Air Filters					Yes							Yes
Inspect Hoses					Yes							Yes
Change Hoses					No							No
Inspect Belts					Yes							Yes
Change Belts					No							No
Change Fan / Water Pump					No							No
Check Safety Shutdowns					Yes							Yes
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						1,940						1,871
Engine RPM						850						850
(Permit Limit: _____)												
Other Notes/Corrections:						2000hr service updated spark plug jumpers			engine assessed during Quarterly Emission Screening Analysis - all systems ok			2000hr service
total engine hours runtime >						42543						44899
Mechanic Initials						tjc						tjc
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: Compressor Plant No. 2, Engine 1      Engine I.D.: Waukesha 5790GU

Oil Filter No. \_\_\_\_\_ Plug No. RM-77N      Fan Belt No. N/A      Oil Capacity \_\_\_\_\_ Gal.

Engine Water Pump Belt No. A-209617      Auxiliary Water Pump A-199868      Fan C-136

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: 2017												
Date:			3/15/2017									
PM Number:												
Engine Oil Change												
Take Oil Sample for Analysis												
Engine Filter Change												
Compressor Oil Change												
Compressor Filter Change												
Set Valves												
Change Ignition Timer												
Inspect/Change Spark Plugs												
Set Timing												
Change Air Filters												
Change Pre-Air Filters												
Inspect Hoses												
Change Hoses												
Inspect Belts												
Change Belts												
Change Fan / Water Pump												
Check Safety Shutdowns												
Change Converter												
Change O2 Sensor												
Inspect Fuel Control Valve												
Clean Carburetor												
Run-Time Hours Since Last Service												
Engine RPM												
(Permit Limit: _____)												
Other Notes/Corrections:												
			engine assessed during Quarterly Emission Screening Analysis - all systems ok									
total engine hours runtime >												
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: Compressor Plant No. 2, Engine 2												
Engine I.D.: Waukesha 5790GU												
Oil Filter No. _____ Oil Capacity _____ Gal.												
Fan Belt No. N/A												
Auxiliary Water Pump A-199868												
Fan C-136												
Year: 2016	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:			3/20/2016			6/22/2016		8/24/2016				12/27/2016
PM Number:			910816098					910834494				
Engine Oil Change			Yes					Yes				
Take Oil Sample for Analysis			Yes					Yes				
Engine Filter Change			Yes					Yes				
Compressor Oil Change			No					No				
Compressor Filter Change			Yes					Yes				
Set Valves			Yes					Yes				
Change Ignition Timer			No					No				
Inspect/Change Spark Plugs			Yes					Yes				
Set Timing			Yes					Yes				
Change Air Filters			No					No				
Change Pre-Air Filters			Yes					Yes				
Inspect Hoses			Yes					Yes				
Change Hoses			No					No				
Inspect Belts			Yes					Yes				
Change Belts			No					No				
Change Fan / Water Pump			No					No				
Check Safety Shutdowns			Yes					Yes				
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			1,960					1,733				
Engine RPM			850					850				
(Permit Limit: _____)												
Other Notes/Corrections:			2000hr service			engine assessed during Quarterly Emission Screening Analysis - all systems ok		2000hr service				engine assessed during Quarterly Emission Screening Analysis - all systems ok
total engine hours runtime >			44116					45,849				
Mechanic Initials			ljc			ljc		DD				ljc
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
		Engine I.D.: Waukesha 5790GU											
		Oil Capacity _____ Gal.											
		Fan Belt No. N/A											
		Auxiliary Water Pump A-199868											
		Fan C-136											
Date:			2/23/2017										
PM Number:			900675833										
Engine Oil Change			Yes										
Take Oil Sample for Analysis			No										
Engine Filter Change			Yes										
Compressor Oil Change			No										
Compressor Filter Change			Yes										
Set Valves			Yes										
Change Ignition Timer			Yes										
Inspect/Change Spark Plugs			Yes										
Set Timing			Yes										
Change Air Filters			No										
Change Pre-Air Filters			Yes										
Inspect Hoses			Yes										
Change Hoses			No										
Inspect Belts			Yes										
Change Belts			No										
Change Fan / Water Pump			No										
Check Safety Shutdowns			Yes										
Change Converter			No										
Change O2 Sensor			No										
Inspect Fuel Control Valve			Yes										
Clean Carburetor			No										
Run-Time Hours Since Last Service			1,700										
Engine RPM			850										
(Permit Limit: _____)													
Other Notes/Corrections:			2000hr service due, repaired internal coolant leak										
total engine hours runtime >			47,549										
Mechanic Initials			ljc										
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.		Fan					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Engine Water Pump Belt No.: A168540	Qty. 2	Auxiliary Water Pump 3VX800					Qty. 2					
Year: 2016	1/25/2016					6/14/2016		8/23/2016	9/25/2016			12/13/2016
PM Number:	910806559					910825796			910837445			
Engine Oil Change	Yes					No			Yes			
Take Oil Sample for Analysis	No					No			No			
Engine Filter Change	Yes					No			Yes			
Compressor Oil Change	No					No			No			
Compressor Filter Change	Yes					No			Yes			
Set Valves	Yes					No			Yes			
Change Ignition Timer	No					No			No			
Inspect/Change Spark Plugs	Yes					Yes			Yes			
Set Timing	Yes					No			Yes			
Change Air Filters	No					No			No			
Change Pre-Air Filters	Yes					Yes			Yes			
Inspect Hoses	Yes					Yes			Yes			
Change Hoses	No					No			No			
Inspect Belts	Yes					Yes			Yes			
Change Belts	No					No			No			
Change Fan / Water Pump	No					No			No			
Check Safety Shutdowns	Yes					Yes			Yes			
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	1,004					1,267			1727			
Engine RPM	850					850			850			
(Permit Limit: _____)												
Other Notes/Corrections: engine overhaul 8/27/2010	2000hr service					1000hr service			engine assessed during Quarterly Emission Screening Analysis - all systems ok			engine assessed during Quarterly Emission Screening Analysis - all systems ok
<b>total engine hours runtime &gt;</b>	43,874					45,141			45601			
Mechanic Initials	tjc					tjc			tjc			tjc
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: <b>GP2 Unit C-201</b>												
Engine I.D.: <b>Waukesha F3521GL</b>												
Oil Capacity _____ Gal.												
Fan Belt No. <b>N/A</b>												
Plug No. <b>RTM77N</b>												
Auxiliary Water Pump 3VX800 Qty. 2												
Fan												
Year: 2017	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/11/2016	2/22/2017										
PM Number:	910852183	910852183										
Engine Oil Change	No	Yes										
Take Oil Sample for Analysis	No	No										
Engine Filter Change	No	Yes										
Compressor Oil Change	No	No										
Compressor Filter Change	No	Yes										
Set Valves	No	Yes										
Change Ignition Timer	No	Yes										
Inspect/Change Spark Plugs	Yes	Yes										
Set Timing	Yes	Yes										
Change Air Filters	No	No										
Change Pre-Air Filters	Yes	Yes										
Inspect Hoses	Yes	Yes										
Change Hoses	No	No										
Inspect Belts	Yes	Yes										
Change Belts	No	Yes										
Change Fan / Water Pump	No	No										
Check Safety Shutdowns	Yes	Yes										
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	913	1551										
Engine RPM	850	850										
(Permit Limit: _____)												
Other Noises/Corrections: engine overhaul 8/27/2010	1000hr service	2000hr service										
total engine hours runtime >	46,514	47152										
Mechanic Initials												
Test Converter	Date											
	Result											
	Operator Initials											

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

Engine Location: GP2 Unit C-202												
Engine I.D.: Waukesha F3521GL												
Oil Filter No. _____ Oil Capacity _____ Gal.												
Plug No.: RTM77N												
Auxiliary Water Pump 3VX800 Qty. 2												
Fan Belt No. N/A												
Fan N/A												
Year: 2016	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/14/2016		3/12/2016	4/13/2016		6/6/2016		8/23/2016		10/4/2016		12/19/2016
PM Number:	910806450		910814722	910817490		9108		910834493		910836463		910849200
Engine Oil Change	No	No	No	Yes		Yes		No		Yes		No
Take Oil Sample for Analysis	No	No	No	No		Yes		No		Yes		No
Engine Filter Change	No	No	No	Yes		Yes		No		Yes		No
Compressor Oil Change	No	No	No	No		No		No		No		No
Compressor Filter Change	No	No	No	Yes		Yes		No		Yes		No
Set Valves	No	No	No	Yes		Yes		No		Yes		No
Change Ignition Timer	No	No	No	No		No		No		No		No
Inspect/Change Spark Plugs	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Set Timing	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Change Air Filters	No	No	No	No		No		No		No		No
Change Pre-Air Filters	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Inspect Hoses	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Change Hoses	No	No	No	No		No		No		No		No
Inspect Belts	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Change Belts	No	No	No	No		No		No		Yes		No
Change Fan / Water Pump	No	No	No	No		No		No		No		No
Check Safety Shutdowns	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Change Converter	No	No	No	No		No		No		No		No
Change O2 Sensor	No	No	No	No		No		No		No		No
Inspect Fuel Control Valve	Yes	Yes	Yes	Yes		Yes		Yes		Yes		Yes
Clean Carburetor	No	No	No	No		No		No		No		No
Run-Time Hours Since Last Service	744		757	609		1135		1123		1,878		1,212
Engine RPM	850		850	850		850		850		850		850
(Permit Limit: _____)												
Other Notes/Corrections:				2000hr service		2000hr service		1000hr service		2000hr service		1000hr service
						changed cpu-95 module and display						
total engine hours runtime >	40,302		41,059	41,698		42,803		43,926		44,581		45,893
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: GP2 Unit C-202 Engine I.D.: Waukesha F3521GL  
 Oil Filter No. \_\_\_\_\_ Fan Belt No. N/A Oil Capacity \_\_\_\_\_ Gal.  
 Plug No.: RTM77N Auxiliary Water Pump 3VX800 Qty. 2 Fan N/A  
 Year: 2017 Engine Water Pump Belt No. A168540 Qty. 2

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/13/2017										
PM Number:		910855565										
Engine Oil Change		Yes										
Take Oil Sample for Analysis		No										
Engine Filter Change		Yes										
Compressor Oil Change		No										
Compressor Filter Change		Yes										
Set Valves		Yes										
Change Ignition Timer		Yes										
Inspect/Change Spark Plugs		Yes										
Set Timing		Yes										
Change Air Filters		No										
Change Pre-Air Filters		Yes										
Inspect Hoses		Yes										
Change Hoses		No										
Inspect Belts		Yes										
Change Belts		No										
Change Fan / Water Pump		No										
Check Safety Shutdowns		Yes										
Change Converter		No										
Change O2 Sensor		No										
Inspect Fuel Control Valve		Yes										
Clean Carburetor		No										
Run-Time Hours Since Last Service		1909										
Engine RPM		850										
(Permit Limit: _____)												
Other Notes/Corrections:		2000hr service										
total engine hours runtime >		46590										
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: <b>Waterflood 1-1</b>												
Engine I.D.: <b>White Superior 8G825</b>												
Oil Filter No.	Plug No. D-14N					Fan Belt No. N/A			Oil Capacity _____ Gal.			
Engine Water Pump Belt No. <b>B-66 [4]</b>												
Year: 2016	Auxiliary Water Pump N/A					Fan N/A						
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:					5/10/2016							12/27/2016
Engine Oil Change												Yes
Take Oil Sample For Analysis												Yes
Engine Filter Change												Yes
Compressor Oil Change												No
Compressor Filter Change												No
Set Valves												No
Change Ignition Timer												No
Inspect/Change Spark Plugs												Yes
Set Timing												No
Change Air Filters												No
Change Pre-Air Filters												No
Inspect Hoses												Yes
Change Hoses												No
Inspect Belts												Yes
Change Belts												No
Change Fan / Water Pump												No
Check Safety Shutdowns												No
Change Converter												No
Change O2 Sensor												No
Inspect Fuel Control Valve												No
Clean Carburetor												No
Run-Time Hours Since Last Service												
Engine RPM												850
(Permit Limit: _____)												
Other Notes/Corrections:												
	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN
					Engine assessed prior to source testing							low runtime but engine oil changed per regulations; engine assessed
total engine hours runtime >												
Mechanic Initials												ijc
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 \_\_\_\_\_ Fan Belt No. N/A \_\_\_\_\_ Oil Capacity \_\_\_\_\_ Gal.

Year: 2017	Auxiliary Water Pump N/A					Fan N/A						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:												
PM Number:												
Engine Oil Change												
Take Oil Sample For Analysis												
Engine Filter Change												
Compressor Oil Change												
Compressor Filter Change												
Set Valves												
Change Ignition Timer												
Inspect/Change Spark Plugs												
Set Timing												
Change Air Filters												
Change Pre-Air Filters												
Inspect Hoses												
Change Hoses												
Inspect Belts												
Change Belts												
Change Fan / Water Pump												
Check Safety Shutoffs												
Change Converter												
Change O2 Sensor												
Inspect Fuel Control Valve												
Clean Carburetor												
Run-Time Hours Since Last Service												
Engine RPM												
(Permit Limit: _____)												
Other Notes/Corrections:	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN									
total engine hours runtime >												
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												

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

Engine Location: <b>Waterflood 1-2</b>		Engine I.D.: <b>White Superior 8G825</b>												
Oil Filter No. _____		Plug No.D-14N			Fan Belt No. N/A			Oil Capacity _____ Gal.						
Engine Water Pump Belt No. <b>B-66 [4]</b>		Auxiliary Water Pump N/A						Fan N/A						
Year: 2016		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
Date:						5/10/2016							12/27/2016	
PM Number:														
Engine Oil Change													Yes	
Take Oil Sample for Analysis													Yes	
Engine Filter Change													Yes	
Compressor Oil Change													No	
Compressor Filter Change													No	
Set Valves													No	
Change Ignition Timer													No	
Inspect/Change Spark Plugs													Yes	
Set Timing													No	
Change Air Filters													No	
Change Pre-Air Filters													No	
Inspect Hoses													Yes	
Change Hoses													No	
Inspect Belts													Yes	
Change Belts													No	
Change Fan / Water Pump													No	
Check Safety Shutdowns													No	
Change Converter													No	
Change O2 Sensor													No	
Inspect Fuel Control Valve													No	
Clean Carburetor													No	
Run-Time Hours Since Last Service														
Engine RPM													850	
(Permit Limit: _____)														
Other Notes/Corrections:		ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE assessed prior to source testing	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN	low runtime but engine oil changed per regulations; engine assessed
total engine hours runtime >														t/c
Mechanic Initials														
Test Converter	Date													
	Result													
	Operator Initials													



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

Engine Location: **Waterflood 1-2**

Engine I.D.: **White Superior 8G825**

Plug No. D-14N

Fan Belt No. N/A

Oil Capacity \_\_\_\_\_ Gal.

Engine Water Pump Belt No. **B-66 [4]**

Auxiliary Water Pump N/A

Fan N/A

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:												
PM Number:												
Engine Oil Change												
Take Oil Sample for Analysis												
Engine Filter Change												
Compressor Oil Change												
Compressor Filter Change												
Set Valves												
Change Ignition Timer												
Inspect/Change Spark Plugs												
Set Timing												
Change Air Filters												
Change Pre-Air Filters												
Inspect Hoses												
Change Hoses												
Inspect Belts												
Change Belts												
Change Fan / Water Pump												
Check Safety Shutdowns												
Change Converter												
Change O2 Sensor												
Inspect Fuel Control Valve												
Clean Carburetor												
Run-Time Hours Since Last Service												
Engine RPM												
(Permit Limit: _____)												
Other Notes/Corrections:	ENGINE DOWN	ENGINE DOWN	ENGINE DOWN									
total engine hours runtime >												
Mechanic Initials												
Test Converter												
Date												
Result												
Operator Initials												



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

Engine Location: **Gas Plant 7**

Engine I.D.: **Detroit Diesel Emergency Standby Engine, Model 71237305**

Oil Filter No.

Fan Belt No. **N/A**

Oil Capacity **10 Gal.**

Engine Water Pump Belt No.

Auxiliary Water Pump **N/A**

Fan **N/A**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: <b>2016</b>										10/5/2016		
Date:										910613340		
PM Number:										Yes		
Engine Oil Change (Annually)										Yes		
Engine Filter Change (Annually)										Yes		
Inspect Air Filter (Annually)										Yes		
Replace Air Filter										No		
Inspect Hoses / Belts (Annually)										Yes		
Replace Hoses										No		
Replace Belts										No		
Replace Fan / Water Pump										No		
Other Notes/Corrections:												
5/8/14 - Full Tune-Up												

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
04/04/16	No Smoke	No Smoke	No Smoke	No Smoke
05/02/16	No Smoke	No Smoke	No Smoke	No Smoke
05/26/16	No Smoke	No Smoke	No Smoke	No Smoke
07/29/16	No Smoke	No Smoke	No Smoke	No Smoke
08/29/16	No Smoke	No Smoke	No Smoke	No Smoke
09/29/16	No Smoke	No Smoke	No Smoke	No Smoke
10/25/16	No Smoke	No Smoke	No Smoke	No Smoke
11/28/16	No Smoke	No Smoke	No Smoke	No Smoke
12/08/16	No Smoke	No Smoke	No Smoke	No Smoke
01/27/17	No Smoke	No Smoke	No Smoke	No Smoke
02/15/17	No Smoke	No Smoke	No Smoke	No Smoke
March 2017	OOS	OOS	OOS	OOS

\* Central Compressor Site was taken out of service in March 2017, therefore no further smoke checks will be conducted.

**Gas Plant 7\***

Date	High Pressure Flare	Low Pressure Flare	Heater 601A
04/01/16	No Smoke	No Smoke	No Smoke
05/02/16	No Smoke	No Smoke	No Smoke
06/01/16	No Smoke	No Smoke	No Smoke
07/01/16	No Smoke	No Smoke	No Smoke
08/06/16	No Smoke	No Smoke	No Smoke
09/04/16	No Smoke	No Smoke	No Smoke
10/01/16	No Smoke	No Smoke	No Smoke
11/01/16	No Smoke	No Smoke	No Smoke
12/02/16	No Smoke	No Smoke	No Smoke
01/01/17	No Smoke	No Smoke	No Smoke
02/01/17	No Smoke	No Smoke	No Smoke
03/02/17	No Smoke	No Smoke	No Smoke

\* Gas Plant 7 also has a diesel generator which operates only during emergencies or for maintenance/testing purposes. The generator was evaluated for visible emissions during the annual maintenance conducted on 10/05/16 and no smoke was identified.

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

**Compressor Plant 2**

<b>Date</b>	<b>CP2-1</b>	<b>CP2-2</b>	<b>Taylor Flare</b>
04/04/16	No Smoke	No Smoke	No Smoke
05/03/16	No Smoke	No Smoke	No Smoke
06/02/16	No Smoke	No Smoke	No Smoke
07/06/16	No Smoke	No Smoke	No Smoke
08/05/16	No Smoke	No Smoke	No Smoke
09/07/16	No Smoke	No Smoke	No Smoke
10/04/16	No Smoke	No Smoke	No Smoke
11/04/16	No Smoke	No Smoke	No Smoke
12/13/16	No Smoke	No Smoke	No Smoke
01/03/17	No Smoke	No Smoke	No Smoke
02/07/17	No Smoke	No Smoke	No Smoke
03/01/17	No Smoke	No Smoke	No Smoke

**Gas Plant 2**

<b>Date</b>	<b>C-201</b>	<b>C-202</b>
03/30/16	No Smoke	No Smoke
05/03/16	No Smoke	No Smoke
06/03/16	No Smoke	No Smoke
07/25/16	No Smoke	No Smoke
08/29/16	No Smoke	No Smoke
10/04/16	No Smoke	No Smoke
10/25/16	No Smoke	No Smoke
11/28/16	No Smoke	No Smoke
12/07/16	No Smoke	No Smoke
01/26/17	No Smoke	No Smoke
02/15/17	No Smoke	No Smoke
03/14/17	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**

<b>Date</b>	<b>WF1-1</b>	<b>WF1-2</b>
04/27/16	No Smoke	No Smoke
05/25/16	No Smoke	No Smoke
06/30/16	No Smoke	No Smoke
07/28/16	No Smoke	No Smoke
08/30/16	No Smoke	No Smoke
09/27/16	No Smoke	No Smoke
10/28/16	No Smoke	No Smoke
11/11/16	No Smoke	No Smoke
12/07/16	No Smoke	No Smoke
01/03/17	No Smoke	No Smoke
02/10/17	No Smoke	No Smoke
03/10/17	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 2016	1,763	243	2,006	33,898
May 2016	712	256	968	32,399
June 2016	844	175	1,019	31,932
July 2016	530	182	712	31,960
August 2016	1,184	267	1,451	32,713
September 2016	523	189	712	32,767
October 2016	494	505	999	33,192
November 2016	4,995	290	5,285	37,672
December 2016	759	314	1,073	37,953
January 2017	756	417	8,063	40,402
February 2017	687	315	3,004	42,700
March 2017	700	354	1,196	26,488

\*Limit: 86.5 MMCF/Yr

Only flaring not due to breakdown conditions is included in volume subject to the permit limit.

**Taylor Flare**

Month & Year	Kaldair Low-Pressure Flare MCF	12-Month Total Flare Volume MCF*
April 2016	0	5,509
May 2016	0	5,509
June 2016	17	5,526
July 2016	112	5,638
August 2016	116	5,754
September 2016	79	5,833
October 2016	0	5,833
November 2016	1,729	6,621
December 2016	0	6,621
January 2017	4,424	10,559
February 2017	0	10,559
March 2017	0	6,477

\*Limit: 104 MMCF/Yr

Only 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, WWSI-T403

Reporting Period		Liquid Throughput in Barrels	
		CWTP Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
Month	Year		
2016	April	6,676	94,338
2016	May	9,804	88,975
2016	June	1,348	82,282
2016	July	1,708	76,469
2016	August	584	74,590
2016	September	2,529	64,364
2016	October	75	57,205
2016	November	0	38,406
2016	December	6,082	42,812
2017	January	5,480	41,322
2017	February	7,966	44,389
2017	March	7,227	49,479

\*Limit: 1,277.5 MBBL/Yr.

Lloyd Solids Tank, TWSI-T001

Month & Year		Lloyd Lease Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
2016	April	46,423	669,393
2016	May	41,734	659,810
2016	June	35,350	646,462
2016	July	26,183	620,617
2016	August	43,695	618,975
2016	September	29,886	593,621
2016	October	12,997	543,145
2016	November	5,099	481,688
2016	December	70,521	490,640
2017	January	65,963	492,256
2017	February	69,904	507,032
2017	March	54,167	501,922

\*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*
2016	April	46,423	669,393
2016	May	41,734	659,810
2016	June	35,350	646,462
2016	July	26,183	620,617
2016	August	43,695	618,975
2016	September	29,886	593,621
2016	October	12,997	543,145
2016	November	5,099	481,688
2016	December	70,521	490,640
2017	January	65,963	492,256
2017	February	69,904	507,032
2017	March	54,167	501,922

\*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 2016	596	17,910	385	16,413	826	13,882	48,205
May 2016	881	18,520	53	12,803	682	13,972	45,295
June 2016	904	18,827	32	10,846	236	12,294	41,967
July 2016	1,290	19,423	0	8,579	0	10,605	38,607
August 2016	639	19,476	883	6,978	0	9,023	35,477
September 2016	832	19,200	1,841	8,628	0	5,973	33,801
October 2016	527	17,251	1,816	10,401	0	4,095	31,747
November 2016	1,237	17,294	929	9,368	0	2,937	29,599
December 2016	120	14,004	4	8,664	0	2,786	25,454
January 2017	0	12,248	0	6,414	0	2,777	21,439
February 2017	0	8,885	0	6,389	0	2,695	17,969
March 2017	0	7,026	0	5,943	0	1,744	14,713

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 2016	44	14,015	2,673	21,554	35,569
May 2016	870	14,589	2,288	20,986	35,575
June 2016	1,696	14,875	547	19,909	34,784
July 2016	267	13,217	2,125	20,873	34,090
August 2016	833	12,975	2,178	20,804	33,779
September 2016	143	11,973	2,669	21,592	33,565
October 2016	412	11,067	2,644	22,389	33,456
November 2016	1,305	10,167	1,415	22,971	33,138
December 2016	1,702	10,324	1,153	22,622	32,946
January 2017	839	9,570	2,218	23,077	32,647
February 2017	2,026	10,474	758	23,299	33,773
March 2017	1,679	11,816	1,101	21,769	33,585

\*Limit: 100.2 MMCF/Yr

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

Reporting Period	748-BHP Rich-Burn Waukesha NG Engine L579OGU CP2-1		748-BHP Rich-Burn Waukesha NG Engine L579OGU CP2-2		Both Engines
	Meter No. 64 MCF	12-Month Total MCF	Meter No. 68 MCF	12-Month Total MCF	
April 2016	1,896	10,461	6	13,588	24,049
May 2016	776	10,921	1,181	13,045	23,966
June 2016	1,131	10,806	501	12,839	23,645
July 2016	0	9,144	1,839	14,236	23,380
August 2016	1,030	9,893	1,175	13,574	23,467
September 2016	698	10,185	1,562	13,574	23,759
October 2016	1,022	9,810	1,490	14,337	24,147
November 2016	2,331	11,298	5	13,147	24,445
December 2016	1,195	11,897	1,347	12,904	24,801
January 2017	1,632	13,331	857	12,043	25,374
February 2017	1,557	13,986	394	11,488	25,474
March 2017	1,803	15,071	649	11,006	26,077

\*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 2016	0	260	0	11	271
May 2016	1,282	1,537	1,409	1,420	2,957
June 2016	0	1,390	0	1,420	2,810
July 2016	0	1,322	0	1,420	2,742
August 2016	0	1,322	0	1,419	2,741
September 2016	0	1,322	0	1,418	2,740
October 2016	0	1,319	0	1,417	2,736
November 2016	0	1,314	0	1,417	2,731
December 2016	0	1,312	0	1,417	2,729
January 2017	0	1,291	0	1,417	2,708
February 2017	0	1,282	0	1,414	2,696
March 2017	0	1,282	0	1,409	2,691

\*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 Heater – NG Fuel Consumption**

Reporting Period	8.0-MMBTU/Hour BYIS Heater No. 601A	
Month & Year	Meter No. 761 MCF	12-Month Total MCF*
April 2016	3,322	39,178
May 2016	3,497	39,087
June 2016	2,638	38,416
July 2016	2,826	38,312
August 2016	3,397	38,787
September 2016	3,248	39,140
October 2016	3,447	39,414
November 2016	3,383	39,429
December 2016	3,543	39,351
January 2017	3,309	39,173
February 2017	3,259	39,165
March 2017	3,503	39,372

\*Limits:  
71.4 MMCF/Yr for Heater 601A

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 2016	952,061	11,839,870
May 2016	1,033,090	11,913,365
June 2016	867,376	11,714,053
July 2016	934,055	11,595,248
August 2016	1,058,084	11,625,872
September 2016	981,001	11,537,125
October 2016	979,272	11,575,521
November 2016	907,283	11,519,945
December 2016	905,317	11,443,438
January 2017	858,966	11,388,236
February 2017	812,940	11,225,815
March 2017	961,446	11,250,891

\*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: 1,300 TPY

Reporting Period	Filter Aid Throughput	
Month & Year	WFP #4 Filter Aid Tons per Month	12-Month Total Filter Aid Tons per Year*
April 2016	31	793
May 2016	37	755
June 2016	36	730
July 2016	37	693
August 2016	47	666
September 2016	50	642
October 2016	49	617
November 2016	38	582
December 2016	46	554
January 2017	35	529
February 2017	37	505
March 2017	50	493

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 2016	36	308
May 2016	25	319
June 2016	42	333
July 2016	28	348
August 2016	29	349
September 2016	28	363
October 2016	28	350
November 2016	28	364
December 2016	28	352
January 2017	26	353
February 2017	14	340
March 2017	30	342

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 2016	1.7	57.3
May 2016	0.0	57.3
June 2016	0.0	47.3
July 2016	0.0	47.3
August 2016	0.0	35.8
September 2016	0.0	35.8
October 2016	0.0	32.8
November 2016	2.3	35.1
December 2016	32.8	42.9
January 2017	3.5	46.3
February 2017	0.0	46.3
March 2017	15.3	55.5

\*Limit: 12 hrs/day and 1440 hrs/year

# AEROS ENVIRONMENTAL, INC.

## Summary Of Results

Aera Energy LLC  
 Lloyd Corporation Lease  
 IC Engine No. C-201

Project 010-9620A  
 May 11, 2016  
 Permit No. 00041

Pollutant	ppm	ppm @ 15% O <sub>2</sub>	lb/hr	lb/MMBtu	lb/MMcf	Permit Limits
NO <sub>x</sub>	59	34	0.70	0.1269	144.41	45 ppm @ 15% O <sub>2</sub>
	57	33	0.65	0.1233	140.32	
	54	31	0.63	0.1153	131.21	
<i>Mean</i>	<b>57</b>	<b>33</b>	<b>0.66</b>	<b>0.1218</b>	<b>138.65</b>	
CO	579	334	4.18	0.7581	862.72	4500 ppm @ 15% O <sub>2</sub>
	581	335	4.01	0.7607	865.68	
	585	338	4.19	0.7674	873.30	
<i>Mean</i>	<b>582</b>	<b>336</b>	<b>4.13</b>	<b>0.7621</b>	<b>867.23</b>	
ROC	214.68	123.81	0.89	0.1606	182.76	750 ppm @ 15% O <sub>2</sub>
	226.09	130.38	0.89	0.1691	192.44	
C <sub>3</sub> -C <sub>8</sub> + as C <sub>1</sub>	234.72	135.64	0.96	0.1759	200.17	
<i>Mean</i>	<b>225.16</b>	<b>129.94</b>	<b>0.91</b>	<b>0.1685</b>	<b>191.79</b>	
Comments: _____						



# AEROS ENVIRONMENTAL, INC.

## Summary Of Results

Aera Energy LLC  
 Lloyd Corporation Lease  
 IC Engine No. C-202

Project 010-9620A  
 May 12, 2016  
 Permit No. 00041

Pollutant	ppm	ppm @ 15% O <sub>2</sub>	lb/hr	lb/MMBtu	lb/MMcf	Permit Limits
NO <sub>x</sub>	61	37	0.68	0.1369	155.79	45 ppm @ 15% O <sub>2</sub>
	57	35	0.65	0.1299	147.83	
	56	34	0.64	0.1266	144.07	
<b>Mean</b>	<b>58</b>	<b>35</b>	<b>0.66</b>	<b>0.1311</b>	<b>149.23</b>	
CO	616	373	4.22	0.8471	964.00	4500 ppm @ 15% O <sub>2</sub>
	619	376	4.30	0.8538	971.62	
	618	377	4.35	0.8551	973.10	
<b>Mean</b>	<b>618</b>	<b>375</b>	<b>4.29</b>	<b>0.8520</b>	<b>969.57</b>	
ROC C <sub>3</sub> -C <sub>6</sub> + as C <sub>1</sub>	279.48	169.29	1.10	0.2197	250.01	750 ppm @ 15% O <sub>2</sub>
	277.52	168.63	1.10	0.2188	248.99	
	262.54	160.02	1.06	0.2075	236.14	
<b>Mean</b>	<b>273.18</b>	<b>165.98</b>	<b>1.09</b>	<b>0.2153</b>	<b>245.05</b>	
Comments: _____						

# AEROS ENVIRONMENTAL, INC.

## Summary Of Results

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

Project 010-9620B  
May 24, 2016  
Permit No. 00041

Pollutant	ppm	ppm @ 15% O <sub>2</sub>	lb/hr	lb/MMBtu	lb/MMcf	Permit Limits
NO <sub>x</sub>  <i>Mean</i>	35	10	0.14	0.0370	38.18	25 ppm @ 15% O <sub>2</sub> 0.58 lb/hr
	35	10	0.14	0.0370	38.18	
	35	10	0.14	0.0366	37.77	
	<b>35</b>	<b>10</b>	<b>0.14</b>	<b>0.0369</b>	<b>38.04</b>	
CO  <i>Mean</i>	12196	3478	30.04	7.7496	7997.59	4500 ppm @ 15% O <sub>2</sub> 63.50 lb/hr
	12282	3502	30.25	7.8043	8054.04	
	12099	3452	29.80	7.6917	7937.83	
	<b>12192</b>	<b>3477</b>	<b>30.03</b>	<b>7.7485</b>	<b>7996.49</b>	
ROC C <sub>3</sub> -C <sub>6+</sub> as C <sub>1</sub>  <i>Mean</i>	2.37	0.68	0.003	0.0008	0.83	250 ppm @ 15% O <sub>2</sub> 0.11 lb/hr
	2.85	0.81	0.004	0.0011	1.13	
	2.37	0.68	0.003	0.0008	0.83	
	<b>2.53</b>	<b>0.72</b>	<b>0.003</b>	<b>0.0009</b>	<b>0.93</b>	
Comments: _____						

**AEROS ENVIRONMENTAL, INC.**  
**Summary Of Results**

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

Project 010-9620B  
 May 24, 2016  
 Permit No. 00041

Pollutant	ppm	ppm @ 15% O <sub>2</sub>	lb/hr	lb/MMBtu	lb/MMcf	Permit Limits
NO <sub>x</sub>	20	6	0.09	0.0210	21.67	25 ppm @ 15% O <sub>2</sub> 0.58 lb/hr
	20	6	0.09	0.0204	21.05	
	20	6	0.10	0.0213	21.98	
	<b>Mean</b>	<b>20</b>	<b>6</b>	<b>0.09</b>	<b>0.0209</b>	
CO	4031	1150	11.48	2.5626	2644.60	4500 ppm @ 15% O <sub>2</sub> 63.50 lb/hr
	4073	1161	11.60	2.5881	2670.92	
	4134	1178	11.77	2.6256	2709.62	
	<b>Mean</b>	<b>4079</b>	<b>1163</b>	<b>11.62</b>	<b>2.5921</b>	
ROC C <sub>3</sub> -C <sub>6+</sub> as C <sub>1</sub>	0.36	0.10	0.001	0.0001	0.10	250 ppm @ 15% O <sub>2</sub> 0.09 lb/hr
	0.00	0.00	0.000	0.0000	0.00	
	0.36	0.10	0.001	0.0001	0.10	
	<b>Mean</b>	<b>0.24</b>	<b>0.07</b>	<b>0.001</b>	<b>0.0001</b>	
Comments: _____						

# AEROS ENVIRONMENTAL, INC.

## Summary Of Results

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

Project 010-9702  
 July 14, 2016  
 PTO No. 00041

Pollutant	%	ppm	ppm @ 3% O <sub>2</sub>	lb/hr	lb/MMBtu	lb/MMcf	Permit Limits
NO <sub>x</sub>		11	11	0.05	0.0127	13.17	12 ppm @ 3% O <sub>2</sub> and 0.12 lb/hr
		11	11	0.06	0.0128	13.29	
		10	10	0.05	0.0122	12.62	
Mean		11	11	0.05	0.0126	13.03	
CO		139	137	0.42	0.1009	104.66	400 ppm @ 3% O <sub>2</sub> and 2.36 lb/hr
		134	132	0.43	0.0972	100.84	
		190	188	0.59	0.1380	143.14	
Mean		154	152	0.48	0.1120	116.21	
O <sub>2</sub>	2.80						
	2.79						
	2.81						
Mean	2.80						
Comments: _____							

Order 910812849 PREV Preventative Maintenance  
 Description VN-APCD RULE 64 REQUIREMENTS GAS PLANT 7  
 Start/End date 04/10/2016 - 10/07/2016  
 Priority 4 - 1 to 6 months  
 Status REL PRT 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: *7-10-16*

AS FOUND: *N/A*

AS LEFT: *complete - test result was 0.5 ppm*

GIVE THIS COMPLETED ORDER TO THE ON DUTY OPERATOR

TO BE FILED IN THE EQUIPMENT FILES LOCATED AT PLANT 7

\*\*\*\*\*

<b>Operation</b>	<b>0010</b>			<b>ANALYZE FUEL GAS ANNUALLY</b>
<i>Work center</i>	OPER	VN00		Operator, RS
	4438091			
<i>Work</i>	2.0	HR	<i>Number</i>	1 <i>Actual Hours</i>

2

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ANALYZE FUEL GAS ANNUALLY

GENERAL REQUIREMENTS FOR GAS PLANT 7:

ANNUALLY ANALYZE FUEL GAS USING ASTM D 4810-88 (Draeger 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 307-94 or ASTM D1072-90) can be run to determine compliance.

Retention CY+5  
SOE Element 7  
Retention Schedule 060155-184

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

T:\Coastal\Ventura\GasPlants\PSM\Operating Procedures\Temp Draeger Tube H2S Testing.doc

---

*End of report*



**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949



Date of Report: 09/29/2016

Kevin Brown

Aera Energy  
3382 North Ventura Ave  
Ventura, CA 93001

Client Project: [none]  
BCL Project: TPHg Sampling  
BCL Work Order: 1626909  
Invoice ID: B247575

Enclosed are the results of analyses for samples received by the laboratory on 9/27/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Kerrie Vaughan  
Client Services

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*  
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CHAIN OF CUSTODY  
Analysis Requested

4100 Atlas Court □ Bakersfield, CA 93308  
(661) 327-4911 □ FAX (661) 327-1918

BC LABORATORIES, INC.

Bill to:  
Aera Energy

CC: *16-216909*

Address:  
Location: Ventura

Report Attention:  
Kevin Brown  
805-310-7170  
kbrown@aeraenergy.com

Notes: Annual Sampling

PM#: 910825936  
TAT: 10 day

Project #:  
Sampler Name:

Lab#

Date & Time Sampled

Ventura Pit V-127

*9/27/16 @ 11:16*

Sample Type:  
(GW) Ground-water  
(S) Soil  
(WW) Waste-water  
(SL) Sludge  
Gas (g)  
Water

TPHg X

CHK BY:  DISTRIBUTION  
 SUB-OUT

Comments:

Relinquished by: (Signature)  
*[Signature]*  
Relinquished by: (Signature)  
*[Signature]*  
Relinquished by: (Signature)

Received by: *AP 27-16* 13:40  
Received by:  
Received by:

Date & Time  
*9/27/16 @ 13:40*  
Date & Time  
Date & Time



16-26909

Assigned to: J. Pineda

*Field Service  
Sampling Request Form*

Today's Date: 9/27/16 Project Name \_\_\_\_\_

Company: Arc Energy (venture) Office #: \_\_\_\_\_  
Address: \_\_\_\_\_ Cell #: \_\_\_\_\_

Contact: Kevin Brown Completed by: Janice P.

Sample P/U pickup  Bottle D/O drop off  Pick up & Drop off  Sampling

Date Needed: \_\_\_\_\_ Sample will be ready by: \_\_\_\_\_ Office closes at: \_\_\_\_\_

Number of coolers client will have \_\_\_\_\_

Pick up at site   
Pick up at office  (above address)

Short holding times or Rushes: \_\_\_\_\_

Information: Collected via sample from V-127  
for TPH<sub>2</sub>

**BILLING:**  
Billing Charges for Courier/Field Time:  
Time: 4:30 Bottle order Delivery: \_\_\_\_\_  
Miles: 152 mi Flat Rate: \_\_\_\_\_  
Equipment: \_\_\_\_\_  
Return with Chain of Custody for billing purposes. Field Service Request form.doc



*[Handwritten signature]*

Chain of Custody and Cooler Receipt Form for 1626909 Page 3 of 3

BC LABORATORIES INC.		COOLER RECEIPT FORM		Page <u>1</u> Of <u>1</u>	
Submission # <u>10-26909</u>					
<b>SHIPPING INFORMATION</b> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			<b>SHIPPING CONTAINER</b> Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		<b>FREE LIQUID</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> <u>W / S</u>
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 checked="" type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact? Yes <input type="checkbox"/> No <input type="checkbox"/> Comments: _____					
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: <u>98</u> Container: <u>109</u> Thermometer ID: <u>208</u>		Date/Time: <u>9-27-16</u>	
		Temperature: (A) <u>45</u> °C / (C) <u>4.9</u> °C		Analyst Init: <u>ADB:40</u>	

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>4</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 503/508/509/510										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8370										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FEROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: JDL Date/Time: 9-27-16 1529 Rev 21 05/23/2016  
 A - Actual / C - Corrected



Aera Energy 3382 North Ventura Ave Ventura, CA 93001	<b>Reported:</b> 09/29/2016 10:42 <b>Project:</b> TPHg Sampling <b>Project Number:</b> [none] <b>Project Manager:</b> Kevin Brown
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### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1626909-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/27/2016 13:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	09/27/2016 11:16
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	Ventura Pit V-127	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Javier Pineda	<b>Sample Type:</b>	Water
	<hr/>			
1626909-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/27/2016 13:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	09/27/2016 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	TRIPBLANK	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Trip Blank
	<hr/>			

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Aera Energy 3382 North Ventura Ave Ventura, CA 93001	<b>Reported:</b> 09/29/2016 10:42 <b>Project:</b> TPHg Sampling <b>Project Number:</b> [none] <b>Project Manager:</b> Kevin Brown
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### Purgeable Aromatics and Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1626909-01	<b>Client Sample Name:</b> Ventura Pit V-127, 9/27/2016 11:16:00AM, Javier Pineda
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	5.0	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	84.2	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/28/16	09/29/16 01:33	AKM	GC-V9	1	BZ12316

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Aera Energy 3382 North Ventura Ave Ventura, CA 93001	<b>Reported:</b> 09/29/2016 10:42 <b>Project:</b> TPHg Sampling <b>Project Number:</b> [none] <b>Project Manager:</b> Kevin Brown
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BZI2316</b>						
Gasoline Range Organics (C4 - C12)	BZI2316-BLK1	ND	ug/L	50	5.0	
a,a,a-Trifluorotoluene (FID Surrogate)	BZI2316-BLK1	84.5	%	70 - 130 (LCL - UCL)		

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Aera Energy  
3382 North Ventura Ave  
Ventura, CA 93001

**Reported:** 09/29/2016 10:42  
**Project:** TPHg Sampling  
**Project Number:** [none]  
**Project Manager:** Kevin Brown

### 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		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZI2316</b>										
Gasoline Range Organics (C4 - C12)	BZI2316-BS1	LCS	1147.4	1000.0	ug/L	115		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BZI2316-BS1	LCS	34.700	40.000	ug/L	86.8		70 - 130		

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Aera Energy  
3382 North Ventura Ave  
Ventura, CA 93001

Reported: 09/29/2016 10:42  
Project: TPHg Sampling  
Project Number: [none]  
Project Manager: Kevin Brown

### Purgeable Aromatics and Total Petroleum Hydrocarbons

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZI2316</b>		Used client sample: N								
Gasoline Range Organics (C4 - C12)	MS	1624775-45	ND	1137.2	1000.0	ug/L		114		70 - 130
	MSD	1624775-45	ND	956.92	1000.0	ug/L	17.2	95.7	20	70 - 130
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1624775-45	ND	32.739	40.000	ug/L		81.8		70 - 130
	MSD	1624775-45	ND	32.474	40.000	ug/L	0.8	81.2		70 - 130

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Aera Energy  
3382 North Ventura Ave  
Ventura, CA 93001

**Reported:** 09/29/2016 10:42  
**Project:** TPHg Sampling  
**Project Number:** [none]  
**Project Manager:** Kevin Brown

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit

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