

CRIMSON PIPELINE LP  
5001 California Avenue Suite 206  
Bakersfield, CA 93309

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March 7, 2010

Mr. Dan Searcy  
Ventura County Air Pollution Control District  
669 County Square Drive  
Ventura, CA 93003

Mr. Matt Haber  
Permits Office (AIR-3) Office of Air Division  
EPA Region IX  
75 Hawthorne Street  
San Francisco, CA 94105

**RE: Annual Compliance Certification, Ventura Pump Station, Part 70 Permit No. 00082**

Gentlemen:

Please find enclosed the Annual Compliance Certification Report (ACC) for the above referenced facility.

Should you have any questions regarding any of the information in the ACC, please contact Mr. Mike Romley, Manager of Operations, at (562) 595-9463, or myself at (661) 716-5001 ext. 11.

Sincerely,

  
Debra Sovay  
EHS Manager  
Crimson Resource Management

encl

RECEIVED  
VENTURA COUNTY  
10 MAR 31 AM 11:01  
A.P.C.D.

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Cover Sheet  
Form TVPF45/07-21-03 Page 2 of 2


Mr. Gerardo Rios, Chief  
Permits Office (AIR-3)  
Office of Air Division  
EPA Region IX  
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 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:  <i>PRESIDENT</i>	Date:  <i>3/8/10</i>
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Time Period Covered by Compliance Certification:  
  
01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

RECEIVED  
MAR 11 2010  
CRIMSON KERN

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF46/07-21-03 Page 1 of 2

### Applicable Requirement or Part 70 Permit Condition

Citation, including Attachment Number and/or Permit Condition Number: <b>Attachment 71.2N2          Rules 71.2B.4, 71.2C.1</b>	Description:  <b>External Floating roof crude oil storage tanks <math>\geq</math>40,000 gallons          Rules 71.2.B.4, 71.2.C.a, 71.2.D, 71.2E</b>
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Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

1. Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**Primary and secondary seals were inspected on 5/8/2009. Tank 135301 was not inspected because it is out of service.**

2.  Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?

3. Please indicate if this compliance determination method is continuous or intermittent:

Continuous – All monitoring measurements show compliance with the Part 70 permit condition

Intermittent – One or more measurements indicate a failure to meet the Part 70 permit condition

4.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as “a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring.”

5.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as “a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.”

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF46/07-21-03 Page 2 of 2

6. Yes No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT

\*\*PLEASE COMPLETE FORM LEGIBLY IN BLACK INK\*\*

Created by Beacon Energy Services, Inc.

Tank No. 305 Permit No. 00082 Inspection Date 5/28/2009 Time 11:40am  
Is this a Follow-up Inspection? Yes  No  If yes, Date of Previous Inspection: \_\_\_\_\_

**A. COMPANY INFORMATION:**

Company Name Crimson Pipeline L.P.  
Location Address 1200 Spinaker Road City Ventura Zip 93003  
Mailing Address 210 North 12th Street City Santa Paula Zip 93060  
Contact Person Greg Fussel Title Supervisor  
Phone 805-223-6850

**B. INSPECTION CONDUCTED BY:**

Name Joe Hecker Title Inspector  
Company Name Beacon Energy Services, Inc. Phone 562-997-3087  
Mailing Address 2675 Junipero ave. Suite 600 City Signal Hill Zip 90755

**C. TANK INFORMATION:**

Capacity 150,000 Installation Date \_\_\_\_\_ Diameter 150' Ht. 51'  
Product Type Sweet Crude Product RVP \_\_\_\_\_ If Crude, H2S Content (NA) \_\_\_\_\_  
Type of Tank  Riveted  Welded  Other (Describe) \_\_\_\_\_  
Color of Shell White Color of Roof White  
Roof Type  Pontoon  Double Deck  Other (Describe) \_\_\_\_\_  
 External floating roof  Internal floating roof

**D. GROUND LEVEL INSPECTION:**

1) Product Temperature 78 Degrees F Product Level 27' - 5'  
3) List type and location of leaks found in tank shell. \_\_\_\_\_  
No leaks found in shell

**E. INTERNAL FLOATING ROOF TANK:**

**NA** 1) Check vapor space between floating roof and fixed roof with explosimeter. \_\_\_\_\_ % LEL  
2) Conduct visual inspection of roofs and secondary seals, if applicable.  
3) Are all roof openings covered?  No  Yes  
If no, explain in comments section (J) and proceed to part (H)(6)

**F. EXTERNAL FLOATING ROOF TANK:**

1) On the diagram (attached) indicate the location of the ladder, roof drain(s), anti-rotation device(s), platform, gauge well, vents or other appurtenances. Note information relative to North (to the top of the worksheet)  
2) Identify any tears in the seal fabric. Describe and indicate on diagram (attached)  
No tears in fabric found  
3) If this is an In-Service External Floating seal inspection, record the LEL% reading within 3 feet of the seal LEL \_\_\_\_\_ 0%

**VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT**

Tank No. 305 Permit No. 00082

**G. FROM GAUGER PLATFORM:**

1) Observe the entire floating roof:

Is the roof badly warped or buckled?	No	<input checked="" type="checkbox"/>	Yes	NA
Is there any obvious damage?	No	<input checked="" type="checkbox"/>	Yes	NA
2) Are there liquid hydrocarbons on the roof?	No	<input checked="" type="checkbox"/>	Yes	NA
3) Is there water ponding on the roof?	No	<input checked="" type="checkbox"/>	Yes	NA

Occasionally pools of water are usually a result of inadequate slope for drainage or from a leaky geodesic dome roof. These do not become a hazard unless the roof drain system is not flowing freely or unless the water covers over half the roof.

4) For an External Floating Roof, is the bonding cable at the top of the rolling ladder in deteriorated condition?	No	<input checked="" type="checkbox"/>	Yes	NA
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**H. SEAL INSPECTION:**

1) Secondary Seal Inspection

a) Type of Secondary Seal:	<u>Single wiper</u>			
b) Does 1/2" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
c) Does 1/8" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
d) Record dimensions for gaps	> 1/8"	<u>0</u>	> 1/2"	<u>0</u>

\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include > 1/8" gaps in 1/2" measures

2) Primary Seal Inspection

a) Type of Primary Seal:	Shoe	Tube	Other	
b) (shoe seal) does 1-1/2" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
c) (shoe seal) does 1/2" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
d) (tube seal) does 1/2" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
e) (all seal types) does 1/8" probe drop past seal?	No	<input checked="" type="checkbox"/>	Yes	If yes, measure length(s) and show on diagram
f) Record dimensions of gaps for gaps	> 1/8"	<u>0</u>	> 1/2"	<u>0</u>

\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include 1/8" 1/2" gaps in 1-1/2 measurements

\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include > 1/8" gaps in 1/2" measures

**VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT**

Tank No. 305 Permit No. 00082

**I. CALCULATIONS - Complete all applicable portions of the following:**

Gaps in <u>Primary Seal</u> between 1/8" and 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Primary Seal</u> between 1/2" and 1-1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Primary Seal</u> greater than 1-1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Secondary Seal</u> between 1/8" and 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Secondary Seal</u> > 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)

**Multiply diameter (ft) of tank to determine appropriate gap limits:**

5% Circumference = Diameter X 0.157 =	<u>23.55</u>	60% Circ. = Diameter X 1.88 =	<u>282</u>
10% Circumference = Diameter X 0.314 =	<u>47.1</u>	90% Circ. = Diameter X 2.83 =	<u>424.5</u>
30% Circumference = Diameter X 0.942 =	<u>141.3</u>	95% Circ = Diameter X 2.98 =	<u>447</u>

**J. DETERMINE COMPLIANCE STATUS OF TANK:**

- |   |   |                                     |                                     |     |  |
|---|---|-------------------------------------|-------------------------------------|-----|--|
| 1) Were any openings found on the roof?   | No  | <input checked="" type="checkbox"/> | Yes                                 |     |  |
| 2) Were any tears in the seals found?   | No  | <input checked="" type="checkbox"/> | Yes                                 |     |  |
| 3) Is the product level lower than the level at which the roof would be floating? | No  | <input checked="" type="checkbox"/> | Yes                                 |     |  |
| <b>4) <u>Secondary Seal:</u></b>  |   |                                     |                                     |     |  |
| Did 1/2" probe drop between the shell and seal?                                   | No  | <input checked="" type="checkbox"/> | Yes                                 |     |  |
| Did cumulative 1/8" - 1/2" gap exceed 5% of the tank circumference length?        | No  | <input checked="" type="checkbox"/> | Yes                                 |     |  |
| <b>5) <u>Primary Seal:</u></b>  |   |                                     |                                     |     |  |
| Shoe  | Did 1-1/2" probe drop between the shell and seal?                                   | No                                  | <input checked="" type="checkbox"/> | Yes |  |
|   | Did cumulative 1/2" - 1-1/2" gap exceed 10% circumference length?                   | No                                  | <input checked="" type="checkbox"/> | Yes |  |
|   | Did cumulative 1/8" - 1/2" gap exceed 40% circumference length?                     | No                                  | <input checked="" type="checkbox"/> | Yes |  |
|   | Did any <u>single continuous</u> 1/8" - 1-1/2" gap exceed 10% circumference length? | No                                  | <input checked="" type="checkbox"/> | Yes |  |
| Tube  | Did 1/2" probe drop between the shell and seal?                                     | No                                  |                                     | Yes | NA <input checked="" type="checkbox"/> |
|   | Did cumulative 1/8" - 1/2" gap exceed 95% circumference length?                     | No                                  |                                     | Yes | NA <input checked="" type="checkbox"/> |

***If "yes" is checked for any of the above items the tank is Out of Compliance***

- |   |    |     |                                     |
|---|----|-----|-------------------------------------|
| 7) Does tank have permit conditions?    | No | Yes | <input checked="" type="checkbox"/> |
| Does tank comply with these conditions? | No | Yes | <input checked="" type="checkbox"/> |

**1 IF INSPECTION WAS TERMINATED PRIOR TO COMPLETION FOR ANY REASON, PLEASE EXPLAIN**

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VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT

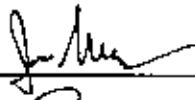
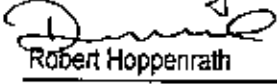
Tank No. 305 Permit No. 00082

K. **COMMENTS:**

Use this section to complete answers to above listed items and to describe repairs made to the tank; include date and time repairs were made.

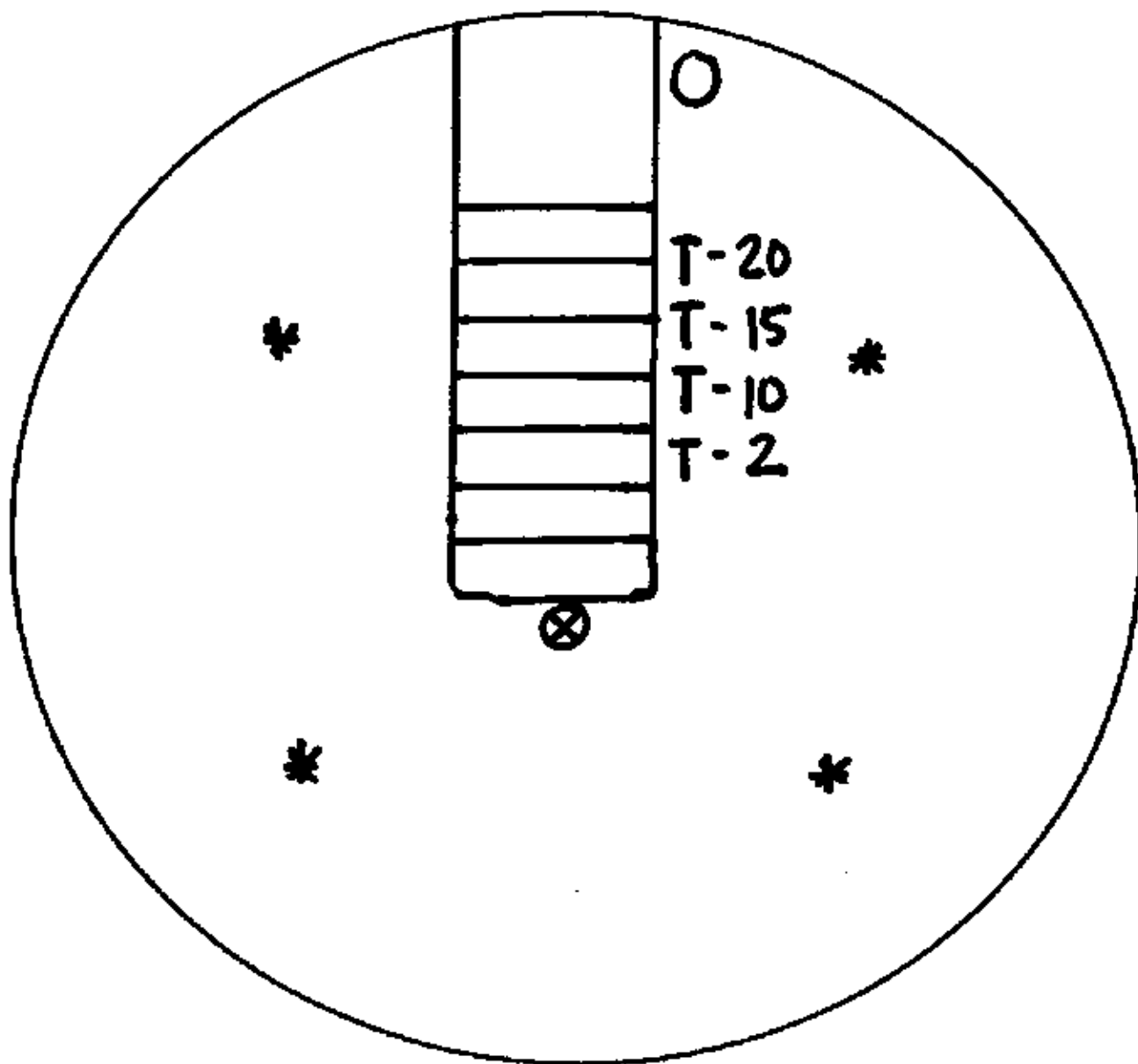
TANK IS IN COMPLIANCE AT THIS TIME

L. I (We) certify the foregoing information to be correct to the best of my (Our) knowledge.

Inspection completed by <i>signature</i>	<u>Joe Hecker</u> 	Cert ID		Date	<u>6/15/2009</u>
Compliance status by <i>signature</i>	<u>Robert Hoppenrath</u> 	Cert ID	<u>C5569176</u>	Date	<u>6/15/2009</u>
Company Representative <i>signature</i>		Cert ID		Date	

*A copy of this Inspection Report must be provided to the Ventura County APCD within 30 Calendar days after the inspection date. A copy of this report must be kept on-site and made available to Ventura County APCD upon request for a period of 4 Years.*



















North

\* ALL GAPS ARE 1/8" UNLESS OTHERWISE NOTED

Equipment:

-  Anti-Rotation Device
-  Ladder
-  Gauge Well
-  Leg Stand
-  Roof Drain
-  Emergency Roof Drain
-  Vacuum Breaker
-  *Mount*

Defects:

-  Leg Top
-  Leg Pin
-  Open Hatch
-  Torn Seal
-  Primary Seal Gap
-  Secondary Seal Gap

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF46/07-21-03 Page 1 of 2

### Applicable Requirement or Part 70 Permit Condition

Citation, including Attachment Number and/or Permit Condition Number: Attachment 71.4N1 Rules 71.4.B.2, 71.4.C.2	Description: <b>Sumps, pits and ponds with covers.</b> <b>Fugitive emissions monitoring and integrity of cover.</b>
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Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

- Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**Quarterly fugitive emissions (rule 74.10) inspections using EPA Method 21 were conducted and reported on 3/18/09, 6/24/09, 9/23/09, and 12/16/09. The sumps, pits and ponds at this facility are in compliance with rule 71.4.B.2. The integrity of the cover has been verified.**

- Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?
- Please indicate if this compliance determination method is continuous or intermittent:
  - Continuous - All monitoring measurements show compliance with the Part 70 permit condition
  - Intermittent - One or more measurements indicate a failure to meet the Part 70 permit condition
- Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as "a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring."
- Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as "a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring."

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Applicable Requirement or Part 70 Permit Condition Attachment

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6. Yes No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)









Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
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Form TVPF46/07-21-03 Page 1 of 2

**Applicable Requirement or Part 70 Permit Condition**

Citation, including Attachment Number and/or Permit Condition Number: Attachment 74.9N3 Rules 74.9.B.1 and B.2	Description: Stationary natural gas-fired rich-burn internal combustion engine quarterly inspections and biennial source test.
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Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

1. Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**Quarterly inspections were conducted using CARB 100 Emissions test protocol on the following: Engine #1 (Caterpillar) and Engine #3 (Enterprise). The biennial source tests using CARB Method 1-100 was last conducted on 1/28/2009.**

2.  Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?

3. Please indicate if this compliance determination method is continuous or intermittent:

Continuous – All monitoring measurements show compliance with the Part 70 permit condition

Intermittent – One or more measurements indicate a failure to meet the Part 70 permit condition

4.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as “a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring.”

5.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as “a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.”



Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF46/07-21-03 Page 2 of 2

6. Yes No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

Following are the 2009 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarter emission test results from AIRx and engine service reports. Also included are the results from the last biennial source test. A sampling of engine data sheets are also included.

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Quantifiable Applicable Requirement or Part 70 Permit Condition Attachment  
 Form TVPF47/12-21-98

Emission Unit Description: <b>415 HP Caterpillar natural gas-fired rich-burn engine NSCR (S/N 72B01367)</b>		Pollutant: <b>NOx</b>
Measured Emission Rate: <b>1.8 ppmv @ 15% O<sub>2</sub></b>	Limited Emission Rate: <b>9 ppmv @ 15% O<sub>2</sub></b>	Specific Source Test or Monitoring Record Citation: <b>Biennial Source Test</b> Test Date: <b>1/30/07</b>

Emission Unit Description: <b>415 HP Caterpillar natural gas-fired rich-burn engine NSCR (S/N 72B01367)</b>		Pollutant: <b>CO</b>
Measured Emission Rate: <b>495 ppmv @ 15% O<sub>2</sub></b>	Limited Emission Rate: <b>1000 ppmv @ 15% O<sub>2</sub></b>	Specific Source Test or Monitoring Record Citation: <b>Biennial Source Test</b> Test Date: <b>1/30/07</b>

Emission Unit Description: <b>415 HP Caterpillar natural gas-fired rich-burn engine NSCR (S/N 72B01367)</b>		Pollutant: <b>ROC</b>
Measured Emission Rate: <b>2.6 ppmv @ 15% O<sub>2</sub></b>	Limited Emission Rate: <b>100 ppmv @ 15% O<sub>2</sub></b>	Specific Source Test or Monitoring Record Citation: <b>Biennial Source Test</b> Test Date: <b>1/30/07</b>

Emission Unit Description:		Pollutant:
Measured Emission Rate:	Limited Emission Rate:	Specific Source Test or Monitoring Record Citation:  Test Date:

Emission Unit Description:		Pollutant:
Measured Emission Rate:	Limited Emission Rate:	Specific Source Test or Monitoring Record Citation:  Test Date:

**Ventura County Air Pollution Control District**  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Quantifiable Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF47/12-21-98

Emission Unit Description: 465 HP Enterprise natural gas-fired rich-burn engine NSCR (S/N 54050)		Pollutant: NOx
Measured Emission Rate: 12.5 ppmv @ 15% O <sub>2</sub>	Limited Emission Rate: 25 ppmv @ 15% O <sub>2</sub>	Specific Source Test or Monitoring Record Citation: Biennial Source Test Test Date: 1/30/07

Emission Unit Description: 465 HP Caterpillar natural gas-fired rich-burn engine NSCR (S/N 54050)		Pollutant: CO
Measured Emission Rate: 1680 ppmv @ 15% O <sub>2</sub>	Limited Emission Rate: 4500 ppmv @ 15% O <sub>2</sub>	Specific Source Test or Monitoring Record Citation: Biennial Source Test Test Date: : 1/30/07

Emission Unit Description: 465 HP Caterpillar natural gas-fired rich-burn engine NSCR (S/N 54050)		Pollutant: ROC
Measured Emission Rate: 6.5 ppmv @ 15% O <sub>2</sub>	Limited Emission Rate: 25 ppmv @ 15% O <sub>2</sub>	Specific Source Test or Monitoring Record Citation: Biennial Source Test Test Date: : 1/30/07

Emission Unit Description:		Pollutant:
Measured Emission Rate:	Limited Emission Rate:	Specific Source Test or Monitoring Record Citation:  Test Date:

Emission Unit Description:		Pollutant:
Measured Emission Rate:	Limited Emission Rate:	Specific Source Test or Monitoring Record Citation:  Test Date:

**SUMMARY OF RESULTS**

Crimson Pipeline

Ventura Harbor

Enterprise

1/28/2009

**ANNUAL EMISSION TESTING**

PARAMETER	UNITS	Run #1	Average	Method used
Stack Gas Flowrate	dscfm	360	360	EPA Method 19
Fuel Usage	dscfm	38.4	38.4	Fuel Meter
Test Length	minutes	60	<u>Unit Description</u> Enterprise 465 HP	

**TABLE 1-2. SOURCE TEST RESULTS**

POLLUTANT	UNITS	EMISSIONS	Average	Allowable Limits	District Rule
		Run #1			
Nitrogen Oxide	ppmv	58.3	58.3	25	PTO
	ppmv @ 15% O2	16.9	16.9		
	lb/hr	0.15	0.150		
	lb/MMBtu	0.062	0.062		
	gm/BHP-HR	0.15	0.15		
Carbon Monoxide	ppmv	6064	6,064	4500	PTO
	ppmv @ 15% O2	1755	1,755		
	lb/hr	9.52	9.52		
	lb/MMBtu	3.93	3.93		
	gm/BHP-HR	9.30	9.30		
Oxygen	%	0.5	0.5		
ROC	ppmv as CH4 (dry)	14.5	14.5	250	PTO
	ppmv @ 15% O2	4.2	4.2		
	lb/hr as CH4	0.011	0.011		

**SUMMARY OF RESULTS**

**Crimson Pipeline**  
**Ventura Harbor**  
**Caterpillar**  
**1/28/2009**

**ANNUAL EMISSION TESTING**

PARAMETER	UNITS	Run #1	Average	Method used
Stack Gas Flowrate	dscfm	392	392	EPA Method 19
Fuel Usage	dscfm	42.9	42.9	Fuel Meter
Test Length	minutes	60	<u>Unit Description</u> Caterpillar 415 HP	

**TABLE 1-2. SOURCE TEST RESULTS**

POLLUTANT	UNITS	EMISSIONS	Average	Allowable Limits	District Rule
		Run #1			
Nitrogen Oxide	ppmv	4.3	4.3	9	PTO
	ppmv @ 15% O2	1.2	1.2		
	lb/hr	0.012	0.012		
	lb/MMBtu	0.0045	0.0045		
	gm/BHP-HR	0.013	0.013		
Carbon Monoxide <i>Actual</i>	ppmv	43	43	1000	PTO
	ppmv @ 15% O2	12	12		
	lb/hr	0.073	0.073		
	lb/MMBtu	0.027	0.027		
	gm/BHP-HR	0.080	0.080		
Carbon Monoxide <i>10% of Scale</i>	ppmv	<100	<100	1000	PTO
	ppmv @ 15% O2	<117	<117		
	lb/hr	<0.17	<0.17		
	lb/MMBtu	<0.063	<0.063		
	gm/BHP-HR	<0.19	<0.19		
Oxygen	%	0.0	0.0		
ROC	ppmv as CH4 (dry)	<1.8	<1.8	100	PTO
	ppmv @ 15% O2	<0.5	<0.5		
	lb/hr as CH4	<0.0015	<0.0015		



# AIR TESTING

A Division of **Justice & Associates**

## SUMMARY OF QUARTERLY SOURCE TEST RESULTS

**Crimson Pipeline LP  
Ventura Pump Station  
Enterprise ICE**

**6/19/2009**

**Oxides of Nitrogen (NOx)**

ppmv 75.3

ppmv @ 15% O2 21.3

**Carbon Monoxide (CO)**

ppmv 4145

ppmv @ 15% O2 1171

**Oxygen (O2), percent**

0.0

*Note: Reported values represent a 20-minute average.*



**AIR TESTING**

A Division of *Justice & Associates*

**SUMMARY OF QUARTERLY SOURCE TEST RESULTS**

**Crimson Pipeline LP  
Ventura Pump Station  
Caterpillar ICE**

**6/19/2009**

<b>Oxides of Nitrogen (NOx) (<i>Actual Observed</i>)</b>	
ppmv	<b>1.4</b>
ppmv @ 15% O2	<b>0.4</b>
<b>Oxides of Nitrogen (NOx) (10% of Full Scale)</b>	
ppmv	<b>&lt; 2.5</b>
ppmv @ 15% O2	<b>&lt; 0.7</b>
<b>Carbon Monoxide (CO)</b>	
ppmv	<b>1251</b>
ppmv @ 15% O2	<b>353</b>
<b>Oxygen (O2), percent</b>	<b>0.0</b>

*Note: Reported values represent a 20-minute average.*

**SUMMARY OF QUARTERLY SOURCE TEST RESULTS**

**Crimson Pipeline LP  
Ventura Pump Station  
Enterprise ICE**

**9/11/2009**

<b>Oxides of Nitrogen (NO<sub>x</sub>)</b>	
ppmv	<b>66.2</b>
ppmv @ 15% O <sub>2</sub>	<b>18.9</b>
<b>Carbon Monoxide (CO)</b>	
ppmv	<b>15100</b>
ppmv @ 15% O <sub>2</sub>	<b>4308</b>
<b>Oxygen (O<sub>2</sub>), percent</b>	<b>0.2</b>

*Note: Reported values represent a 20-minute average.*



**SUMMARY OF QUARTERLY SOURCE TEST RESULTS****Crimson Pipeline LP  
Ventura Pump Station  
Caterpillar ICE****9/11/2009**

<b>Oxides of Nitrogen (NO<sub>x</sub>)</b>	
ppmv	<b>2.0</b>
ppmv @ 15% O <sub>2</sub>	<b>0.6</b>
<b>Carbon Monoxide (CO)</b>	
ppmv	<b>59</b>
ppmv @ 15% O <sub>2</sub>	<b>17</b>
<b>Oxygen (O<sub>2</sub>), percent</b>	<b>0.0</b>

*Note: Reported values represent a 20-minute average.*

## SUMMARY OF QUARTERLY SOURCE TEST RESULTS

Crimson Pipeline  
Ventura Pump Station  
Enterprise ICE

12/17/2009

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx) (<i>Actual Observed</i>)</b>		
ppmv	<i>43.0</i>	-
ppmv @ 15% O2	<i>12.1</i>	<i>25</i>
<b>Carbon Monoxide (CO) (<i>Actual Observed</i>)</b>		
ppmv	<i>407</i>	-
ppmv @ 15% O2	<i>115</i>	<i>4500</i>
<b>Oxygen (O2), percent</b>	<i>0.0</i>	-

## SUMMARY OF QUARTERLY SOURCE TEST RESULTS

Crimson Pipeline  
Ventura Pump Station  
Caterpillar ICE

12/17/2009

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx) (<i>Actual Observed</i>)</b>		
ppmv	<i>1.5</i>	-
ppmv @ 15% O2	<i>0.4</i>	<i>9</i>
<b>Carbon Monoxide (CO) (<i>Actual Observed</i>)</b>		
ppmv	<i>1190</i>	-
ppmv @ 15% O2	<i>336</i>	<i>1200</i>
<b>Oxygen (O2), percent</b>	<i>0.0</i>	-

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Applicable Requirement or Part 70 Permit Condition Attachment

Form TVPF46/07-21-03 Page 1 of 2

**Applicable Requirement or Part 70 Permit Condition**

Citation, Including Attachment Number and/or Permit Condition Number: <b>Attachment PO0082PC1          Condition 1, Rule 26</b>	Description: <b>Combustion equipment shall only burn natural gas.</b>
--	--

Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

1. Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**Combustion equipment only burns natural gas per Fuel Usage Log. See attached sheet for usage.**

2.  Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?
3. Please indicate if this compliance determination method is continuous or intermittent:
- Continuous - All monitoring measurements show compliance with the Part 70 permit condition
- Intermittent - One or more measurements indicate a failure to meet the Part 70 permit condition
4.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as "a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring."
5.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as "a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring."

Ventura County Air Pollution Control District  
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6. Yes No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

## VENTURA HARBOR STATION 2009

<u>MONTH</u>	<u>*FUEL</u> (CUBIC FEET)	<u>BBLs.</u> (TANK THROUGHPUT)	<u>SOLVENT</u> (GALLONS)	<u>**PAINT</u> (GALLONS)
Jan-09	1,200,000	323,813	0	0
Feb-09	1,564,100	352,467	0	0
Mar-09	1,464,600	381,869	0	0
Apr-09	1,499,700	344,778	0	0
May-09	1,377,900	412,632	0	0
Jun-09	1,005,200	246,586	0	0
Jul-09	1,079,800	251,099	0	0
Aug-09	1,033,600	292,032	0	0
Sep-09	927,000	260,673	0	0
Oct-09	1,325,200	375,129	0	0
Nov-09	1,359,900	325,111	0	0
Dec-09	1,679,200	385,056	0	0
<b>TOTAL</b>	15,516,200	3,952,245	0	0

**\*ALSO REFER TO FUEL USE ROLLING TWELVE  
MONTH TABLE ATTACHED**

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Applicable Requirement or Part 70 Permit Condition Attachment

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**Applicable Requirement or Part 70 Permit Condition**

Citation, including Attachment Number and/or Permit Condition Number: Attachment PO0082PC1 Condition 3, Rule 29	Description: Solvent purchase and usage logs for solvent cleaning activities.
---	--

Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

1. Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**All cleaning is conducted with low VOC solvents. A log of solvent use is no longer maintained.**

2.  Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?
3. Please indicate if this compliance determination method is continuous or intermittent:
- Continuous - All monitoring measurements show compliance with the Part 70 permit condition
- Intermittent - One or more measurements indicate a failure to meet the Part 70 permit condition
4.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as "a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring."
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Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
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6. Yes No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)



Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
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### Applicable Requirement or Part 70 Permit Condition

Citation, including Attachment Number and/or Permit Condition Number: <b>Attachment PO0082PC2</b> <b>Rules 26 and 74.9</b>	Description: <b>BACT for Caterpillar engine – emissions limits (ROC, NOx, CO)</b> <b>Monitor air:fuel ratio controller readings quarterly</b>
--	---

Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

- Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**The biennial source test using CARB Method 1-100 was conducted on 1/28/09. Air/fuel ratio controller readings are monitored when engine is in use.**

- Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?

- Please indicate if this compliance determination method is continuous or intermittent:

Continuous – All monitoring measurements show compliance with the Part 70 permit condition

Intermittent – One or more measurements indicate a failure to meet the Part 70 permit condition

- Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as “a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring.”

- Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as “a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.”

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Applicable Requirement or Part 70 Permit Condition Attachment

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6.  Yes  No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
 Applicable Requirement or Part 70 Permit Condition Attachment

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**Applicable Requirement or Part 70 Permit Condition**

Citation, including Attachment Number and/or Permit Condition Number: <b>Attachment 50          Rule 50</b>	Description: <b>Opacity observations at the facility.</b>
--	--

Attach to this form any information specifically required to be submitted with the compliance certification in the applicable requirement or Part 70 permit condition.

1. Please indicate the method(s) that you use for determining compliance. Indicate the frequency of monitoring and indicate the source test reference method, if applicable.

**Opacity surveillance and visual inspections of emissions at the facility are conducted.**

2.  Yes  No Are you currently in compliance as indicated by the most recent monitoring measurement or observation as described above?
3. Please indicate if this compliance determination method is continuous or intermittent:
- Continuous - All monitoring measurements show compliance with the Part 70 permit condition
- Intermittent - One or more measurements indicate a failure to meet the Part 70 permit condition
4.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any excursions, if applicable? An *excursion* is defined as "a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or Part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring."
5.  Yes  No During the time period covered by this compliance certification, does the monitoring data indicate any exceedances, if applicable? An *exceedance* is defined as "a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring."

Ventura County Air Pollution Control District  
**COMPLIANCE CERTIFICATION PERMIT FORM**  
Applicable Requirement or Part 70 Permit Condition Attachment

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6.  Yes  No During the time period covered by this compliance certification, do you have any other information or data that indicates that you are not in compliance?
7. If you answered "yes" to Question Nos. 4, 5, or 6 above, please identify all instances of excursions, exceedances, or other indications of non-compliance during the certification period. Attach all relevant information to this form. You may reference deviation reports, by date and subject, previously submitted to the District.
8. If this applicable requirement or Part 70 permit condition requires a source test to demonstrate compliance with a quantifiable emission rate, attach a summary of the most recent source test to this form; or complete and attach Form TVPF47, the quantifiable applicable requirement or Part 70 permit condition attachment.

Time Period Covered by Compliance Certification:

01 / 01 / 09 (MM/DD/YY) to 12 / 31 / 09 (MM/DD/YY)

A summary of test results from AIRx is included from observations made on 1/7/10. Also included are the samples (one week per month) of weekly fugitive emission operator inspection logs.

# **X** AIR TESTING

A Division of **Justice & Associates**

Northern CA  
17331 Sharon Blvd.  
Madera, CA 93638-9713  
559.673.3354 Fax 559.673.3359

www.airxtesting.com

Southern CA  
2472 Eastman Ave., Ste. 34  
Ventura, CA 93003-5774  
805.644.1099 Fax 805.644.2672

January 13, 2010

Job Number: 21000  
Lab Number: 210-002

Crimson Pipeline  
P.O. Box 350  
Santa Paula, CA 93060

ATTENTION: Phil Acosta

REGARDING: Annual Visible Emission Evaluation Testing: Ventura Pump Station & Torrey Pump Station.

Dear Mr. Acosta:

On January 7, 2010, annual visible emission evaluation (VEE) observations were performed according to EPA Method 9 on four (4) IC engines for Crimson Pipeline: two (2) at the Ventura Pump Station and two (2) at the Torrey Pump Station.

The natural gas fired engines are identified as follows:

- 1) Ventura Pump Station; Caterpillar; Model SP321P001G379ASI; S/N 72B01367; 415 BHP; DCLI "Quick Lid" Catalytic Converter; O2 Sensor; Air/Fuel Ratio Controller.
- 2) Ventura Pump Station; Enterprise; Model GSG-8; 465 BHP; S/N 54050; Equipped with catalytic converter.
- 3) Torrey #1 Pump Station; Enterprise; Model GSG-6; S/N 55003; 500 BHP; Equipped with a Catalytic Converter.
- 4) Torrey #2 Pump Station; Enterprise; Model GSG-6; S/N 55004; 500 BHP; Equipped with a Catalytic Converter.

Tests on each of these units were performed to document opacity and visual emissions. A single run of 60 minutes was performed on each unit.

The testing on each unit was observed at the exhaust after the catalytic converter.



Northern CA  
1652 Texas St., Ste. 221  
Fairfield, CA 94533-5952  
707.207.7066 Fax 707.207.7063

Headquarters-Southern CA  
4155 Outer Traffic Circle  
Long Beach, CA 90804-2111  
562.961.3494 Fax 562.961.3493  
www.justiceassociates.com

Las Vegas NV  
1401 S. Arville St., Ste. J  
Las Vegas, NV 89102-0537  
702.822.2111 Fax 702.822.2113



The observations were performed by Ryan Yanagihara of AIRx Testing. Mr. Yanagihara is certified by The California Air Resources Board to perform the visible emission evaluations. A copy of the certification card can be found in the attachments.

If you have any questions regarding the testing procedures or results, please contact the undersigned at (805) 644-1099.

Respectfully Submitted,  
**AIRx Testing – Division of Justice & Associates**

A handwritten signature in black ink, appearing to read 'Ryan Yanagihara', is positioned above the typed name.

Ryan Yanagihara  
Senior Engineer

Attachments

**SUMMARY OF TEST RESULTS  
VISIBLE EMISSIONS EVALUATIONS  
Crimson Pipeline  
Ventura & Torrey Pump Stations  
IC ENGINES**

1/7/2010

<b>IC Engine / Location</b>	<b>Avg % Opacity</b>
ICE G-2 / Torrey Station	0.0
ICE G-1 / Torrey Station	0.0
ICE G-1 / Piru Station	0.0
Enterprise ICE / Ventura Station	0.0
Caterpillar ICE / Ventura Station	0.0

*Note: Reported values represent a 60-minute average.*

ATTACHMENTS



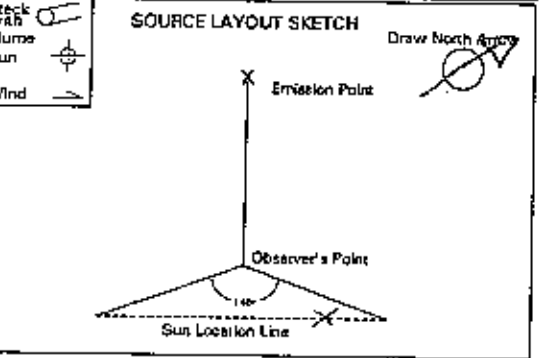
VISIBLE EMISSION OBSERVATION FORM

Test Point No. ONE

Form No. ONE

COMPANY NAME CRIMSON PIPELINE  
 STREET ADDRESS TORREY CANYON ROAD  
TORREY STATION  
 CITY PIRU STATE CA ZIP \_\_\_\_\_  
 PHONE (KEY CONTACT) 805-331-8755 SOURCE ID NUMBER G-1  
 PROCESS EQUIPMENT PUMP ENGINE OPERATING MODE NORMAL  
 CONTROL EQUIPMENT CATALYST OPERATING MODE NORMAL

DESCRIBE EMISSION POINT  
ENGINE EXHAUST STACK  
 HEIGHT ABOVE GROUND LEVEL 30' HEIGHT RELATIVE TO OBSERVER Start 30' End 30'  
 DISTANCE FROM OBSERVER 275' DIRECTION FROM OBSERVER Start EAST End EAST  
 DESCRIBE EMISSIONS ENGINE EXHAUST  
 Start EXHAUST End EXHAUST  
 EMISSION COLOR CLEAR IF WATER DROPLET PLUME Start OUTLET End OUTLET  
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start STACK End STACK  
 DESCRIBE PLUME BACKGROUND Start SKY End SKY  
 BACKGROUND COLOR BLUE SKY CONDITIONS CLEAR  
 Start BLUE End BLUE Start CLEAR End CLEAR  
 WIND SPEED 0-2 WIND DIRECTION EAST  
 Start 0-2 End 0-2 Start EAST End EAST  
 AMBIENT TEMP 63 WET BULB TEMP 60 RH percent 77  
 Start 63 End 64 Start 60 End 77



OBSERVATION DATE		START TIME				END TIME				COMMENTS		
11/7/10		1015				1115						
Sec	Min	0	15	30	45	Sec	Min	0	15	30	45	
1	00	00	00	00	00	31	00	00	00	00	00	
2	00	00	00	00	00	32	00	00	00	00	00	
3	00	00	00	00	00	33	00	00	00	00	00	
4	00	00	00	00	00	34	00	00	00	00	00	
5	00	00	00	00	00	35	00	00	00	00	00	
6	00	00	00	00	00	36	00	00	00	00	00	
7	00	00	00	00	00	37	00	00	00	00	00	
8	00	00	00	00	00	38	00	00	00	00	00	
9	00	00	00	00	00	39	00	00	00	00	00	
10	00	00	00	00	00	40	00	00	00	00	00	
11	00	00	00	00	00	41	00	00	00	00	00	
12	00	00	00	00	00	42	00	00	00	00	00	
13	00	00	00	00	00	43	00	00	00	00	00	
14	00	00	00	00	00	44	00	00	00	00	00	
15	00	00	00	00	00	45	00	00	00	00	00	
16	00	00	00	00	00	46	00	00	00	00	00	
17	00	00	00	00	00	47	00	00	00	00	00	
18	00	00	00	00	00	48	00	00	00	00	00	
19	00	00	00	00	00	49	00	00	00	00	00	
20	00	00	00	00	00	50	00	00	00	00	00	
21	00	00	00	00	00	51	00	00	00	00	00	
22	00	00	00	00	00	52	00	00	00	00	00	
23	00	00	00	00	00	53	00	00	00	00	00	
24	00	00	00	00	00	54	00	00	00	00	00	
25	00	00	00	00	00	55	00	00	00	00	00	
26	00	00	00	00	00	56	00	00	00	00	00	
27	00	00	00	00	00	57	00	00	00	00	00	
28	00	00	00	00	00	58	00	00	00	00	00	
29	00	00	00	00	00	59	00	00	00	00	00	
30	00	00	00	00	00	60	00	00	00	00	00	

HIGHEST OPACITY READING IS 02 NUMBER OF READINGS AT HIGHEST % OPACITY IS \_\_\_\_\_

If any individual readings are greater than \_\_\_\_\_ % opacity and there are more than 3 readings of \_\_\_\_\_ % for the 1-hour period, then 3 hours (thirty 6-minute averages) are to be observed. This facility will be in violation of local air permit conditions if there are 13 or more reads at or above 20%.

Data Reduction

Set No.	Min. Start-End	Opacity	
		Sum	Avg
1	1-6		
2	7-12		
3	13-18		
4	19-24		
5	25-30		
6	31-36		
7	37-42		
8	43-48		
9	49-54		
10	55-60		

ADDITIONAL INFORMATION

SKETCH/PHOTO

OBSERVER'S NAME (PRINT) RYAN YAMAGIHARA  
 OBSERVER'S SIGNATURE \_\_\_\_\_ DATE 11/7/10  
 ORGANIZATION AIR TESTING  
 CERTIFIED BY CARB #20544 DATE 7/23/09

CONTINUED ON VEO FORM NUMBER \_\_\_\_\_  
 SKETCH FLOW DIAGRAM

VISIBLE EMISSION OBSERVATION FORM

Test Point No. ONE

Form No. ONE

COMPANY NAME CRIMSON PIPELINE  
 STREET ADDRESS TORREY CANYON ROAD  
TORREY STATION  
 CITY PIRU STATE CA ZIP \_\_\_\_\_  
 PHONE (KEY CONTACT) 805-231-8975 SOURCE ID NUMBER G-2  
 PROCESS EQUIPMENT PUMP ENGINE OPERATING MODE NORMAL  
 CONTROL EQUIPMENT CATALYST OPERATING MODE NORMAL  
 DESCRIBE EMISSION POINT ENGINE EXHAUST STACK  
 HEIGHT ABOVE GROUND LEVEL 30' HEIGHT RELATIVE TO OBSERVER Start 30' End 30'  
 DISTANCE FROM OBSERVER 75' DIRECTION FROM OBSERVER EAST EAST  
 DESCRIBE EMISSIONS ENGINE EXHAUST Start EXHAUST End EXHAUST  
 EMISSION COLOR CLEAR CLEAR IF WATER DROPLET PLUME Start \_\_\_\_\_ End \_\_\_\_\_  
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED STACK STACK Start OUTLET End OUTLET  
 DESCRIBE PLUME BACKGROUND SKY SKY Start \_\_\_\_\_ End \_\_\_\_\_  
 BACKGROUND COLOR BLUE BLUE SKY CONDITIONS CLEAR CLEAR Start \_\_\_\_\_ End \_\_\_\_\_  
 WIND SPEED 0-2 WIND DIRECTION EAST EAST Start \_\_\_\_\_ End \_\_\_\_\_  
 AMBIENT TEMP 60 WET BULB TEMP 59 RH percent 79 Start 60 End 63

Stack with Plume Sun Wind

SOURCE LAYOUT SKETCH  
 Draw North Arrow

Observer's Point  
 Sun Location Line

OBSERVATION DATE	START TIME				END TIME				COMMENTS
	11	15	30	45	Min	15	30	45	
11/7/10	0	0	0	0	21	0	0	0	
	0	0	0	0	32	0	0	0	
	0	0	0	0	33	0	0	0	
	0	0	0	0	34	0	0	0	
	0	0	0	0	35	0	0	0	
	0	0	0	0	36	0	0	0	
	0	0	0	0	37	0	0	0	
	0	0	0	0	38	0	0	0	
	0	0	0	0	39	0	0	0	
	0	0	0	0	40	0	0	0	
	0	0	0	0	41	0	0	0	
	0	0	0	0	42	0	0	0	
	0	0	0	0	43	0	0	0	
	0	0	0	0	44	0	0	0	
	0	0	0	0	45	0	0	0	
	0	0	0	0	46	0	0	0	
	0	0	0	0	47	0	0	0	
	0	0	0	0	48	0	0	0	
	0	0	0	0	49	0	0	0	
	0	0	0	0	50	0	0	0	
	0	0	0	0	51	0	0	0	
	0	0	0	0	52	0	0	0	
	0	0	0	0	53	0	0	0	
	0	0	0	0	54	0	0	0	
	0	0	0	0	55	0	0	0	
	0	0	0	0	56	0	0	0	
	0	0	0	0	57	0	0	0	
	0	0	0	0	58	0	0	0	
	0	0	0	0	59	0	0	0	
	0	0	0	0	60	0	0	0	

HIGHEST OPACITY READING IS 0 NUMBER OF READINGS AT HIGHEST % OPACITY IS \_\_\_\_\_

If any individual readings are greater than \_\_\_\_\_ % opacity and there are more than 3 readings of \_\_\_\_\_ % for the 1-hour period, then 3 hours (thirty 6-minute averages) are to be observed. This facility will be in violation of local air permit conditions if there are 13 or more reads at or above 20%.

ADDITIONAL INFORMATION

SKETCH/PHOTO

ROOF  
 MUSKULL

OBSERVER'S NAME (PRINT) RYAN YADAGIHARA  
 OBSERVER'S SIGNATURE \_\_\_\_\_ DATE 11/7/10  
 ORGANIZATION AIRX TESTING  
 CERTIFIED BY CARB # 20544 DATE 7/23/09  
 CONTINUED ON VED FORM NUMBER \_\_\_\_\_  
 SKETCH FLOW DIAGRAM \_\_\_\_\_

Date Reduction

Set No.	Min. Start-End	Opacity	
		Sum	Avg
1	1-6		
2	7-12		
3	13-18		
4	19-24		
5	25-30		
6	31-36		
7	37-42		
8	43-48		
9	49-54		
10	55-60		

VISIBLE EMISSION OBSERVATION FORM

Test Point No. ONE

Form No. 0060F03E

COMPANY NAME CRIMSON PIPELINE  
 STREET ADDRESS 1200 SPINAKER  
 CITY VENTURA STATE CA ZIP 93004  
 PHONE (KEY CONTACT) 805-331-8975 SOURCE ID NUMBER ICE G-3  
 PROCESS EQUIPMENT ESTERACIDE ICE OPERATING MODE NORMAL  
 CONTROL EQUIPMENT CATALYST OPERATING MODE NORMAL  
 DESCRIBE EMISSION POINT ICE STACK OUTLET  
 HEIGHT ABOVE GROUND LEVEL 40' HEIGHT RELATIVE TO OBSERVER Start 35' End 35'  
 DISTANCE FROM OBSERVER 100' DIRECTION FROM OBSERVER Start NW End NW  
 DESCRIBE EMISSIONS ICE IF WATER DROPLET PLUME Start EXHAUST End EXHAUST  
 EMISSION COLOR CLEAR IF WATER DROPLET PLUME Start EXHAUST End EXHAUST  
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start STACK End STACK  
 DESCRIBE PLUME BACKGROUND Start SKY End SKY  
 BACKGROUND COLOR BLUE SKY CONDITIONS CLEAR Start BLUE End BLUE  
 WIND SPEED 0-2 WIND DIRECTION SE Start 0-4 End SE  
 AMBIENT TEMP 69 WET BULB TEMP 66 RH, percent 66 Start 69 End 70  
 SOURCE LAYOUT SKETCH  
 Stack with Plume  Sun  Wind   
 Observer's Point  
 Sun Location Line

Sec Min	OBSERVATION DATE				START TIME				END TIME				COMMENTS
	0	15	30	45	0	15	30	45	0	15	30	45	
1	0	0	0	0	31	0	0	0	0				
2	0	0	0	0	32	0	0	0	0				
3	0	0	0	0	33	0	0	0	0				
4	0	0	0	0	34	0	0	0	0				
5	0	0	0	0	35	0	0	0	0				
6	0	0	0	0	36	0	0	0	0				
7	0	0	0	0	37	0	0	0	0				
8	0	0	0	0	38	0	0	0	0				
9	0	0	0	0	39	0	0	0	0				
10	0	0	0	0	40	0	0	0	0				
11	0	0	0	0	41	0	0	0	0				
12	0	0	0	0	42	0	0	0	0				
13	0	0	0	0	43	0	0	0	0				
14	0	0	0	0	44	0	0	0	0				
15	0	0	0	0	45	0	0	0	0				
16	0	0	0	0	46	0	0	0	0				
17	0	0	0	0	47	0	0	0	0				
18	0	0	0	0	48	0	0	0	0				
19	0	0	0	0	49	0	0	0	0				
20	0	0	0	0	50	0	0	0	0				
21	0	0	0	0	51	0	0	0	0				
22	0	0	0	0	52	0	0	0	0				
23	0	0	0	0	53	0	0	0	0				
24	0	0	0	0	54	0	0	0	0				
25	0	0	0	0	55	0	0	0	0				
26	0	0	0	0	56	0	0	0	0				
27	0	0	0	0	57	0	0	0	0				
28	0	0	0	0	58	0	0	0	0				
29	0	0	0	0	59	0	0	0	0				
30	0	0	0	0	60	0	0	0	0				

HIGHEST OPACITY READING IS \_\_\_\_\_ NUMBER OF READINGS AT HIGHEST % OPACITY IS \_\_\_\_\_

If any individual readings are greater than \_\_\_\_\_ % opacity and there are more than 3 readings of \_\_\_\_\_ % for the 1-hour period, then 3 hours (thirty 6-minute averages) are to be observed. This facility will be in violation of local air permit conditions if there are 13 or more reads at or above 20%.

Date Reduction

Set No.	Min. Start-End	Opacity	
		Sum	Avg
1	1-5		
2	7-12		
3	13-18		
4	19-24		
5	25-30		
6	31-36		
7	37-42		
8	43-48		
9	49-54		
10	55-60		

ADDITIONAL INFORMATION  
 SKETCH/PHOTO

OBSERVER'S NAME (PRINT) RYAN YANAGIHARA  
 OBSERVER'S SIGNATURE [Signature] DATE 7/7/10  
 ORGANIZATION AIRX TESTING  
 CERTIFIED BY CARB #20544 DATE 7/23/09  
 CONTINUED ON VEO FORM NUMBER \_\_\_\_\_  
 SKETCH FLOW DIAGRAM

VISIBLE EMISSION OBSERVATION FORM

Test Point No. ONE

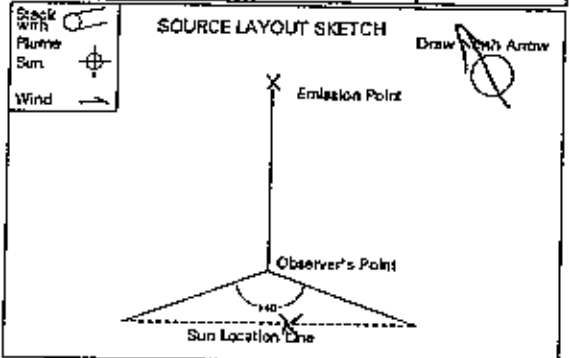
Form No. ONE OF ONE

COMPANY NAME CRIMSON PIPELINE  
 STREET ADDRESS 1200 SPINAKER  
 CITY VENTURA STATE CA ZIP 93004  
 PHONE (KEY CONTACT) 805-331-8925 SOURCE ID NUMBER ICE CAT  
 PROCESS EQUIPMENT PUMP ENGINE OPERATING MODE NORMAL  
 CONTROL EQUIPMENT CATALYST OPERATING MODE NORMAL  
 DESCRIBE EMISSION POINT ENGINE EXHAUST STACK  
 HEIGHT ABOVE GROUND LEVEL 40' HEIGHT RELATIVE TO OBSERVER Start 35' End 35'  
 DISTANCE FROM OBSERVER 100' DIRECTION FROM OBSERVER Start NW End NW  
 DESCRIBE EMISSIONS Start ICE EXHAUST End ICE EXHAUST  
 EMISSION COLOR Start CLEAR End CLEAR IF WATER DROPLET PLUME  
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start STACK End STACK  
 DESCRIBE PLUME BACKGROUND Start SKY End SKY  
 BACKGROUND COLOR Start BLUE End BLUE SKY CONDITIONS Start CLEAR End CLEAR  
 WIND SPEED Start 0-4 End 0-4 WIND DIRECTION Start NE End NE  
 AMBIENT TEMP Start 71 End 71 WET BULB TEMP 66 RH percent 65

OBSERVATION DATE	START TIME				END TIME				COMMENTS			
	Sec	Min	0	15	30	45	Sec	Min		0	15	30
1	0	0	0	0	0	31	0	0	0	0		
2	0	0	0	0	0	32	0	0	0	0		
3	0	0	0	0	0	33	0	0	0	0		
4	0	0	0	0	0	34	0	0	0	0		
5	0	0	0	0	0	35	0	0	0	0		
6	0	0	0	0	0	36	0	0	0	0		
7	0	0	0	0	0	37	0	0	0	0		
8	0	0	0	0	0	38	0	0	0	0		
9	0	0	0	0	0	39	0	0	0	0		
10	0	0	0	0	0	40	0	0	0	0		
11	0	0	0	0	0	41	0	0	0	0		
12	0	0	0	0	0	42	0	0	0	0		
13	0	0	0	0	0	43	0	0	0	0		
14	0	0	0	0	0	44	0	0	0	0		
15	0	0	0	0	0	45	0	0	0	0		
16	0	0	0	0	0	46	0	0	0	0		
17	0	0	0	0	0	47	0	0	0	0		
18	0	0	0	0	0	48	0	0	0	0		
19	0	0	0	0	0	49	0	0	0	0		
20	0	0	0	0	0	50	0	0	0	0		
21	0	0	0	0	0	51	0	0	0	0		
22	0	0	0	0	0	52	0	0	0	0		
23	0	0	0	0	0	53	0	0	0	0		
24	0	0	0	0	0	54	0	0	0	0		
25	0	0	0	0	0	55	0	0	0	0		
26	0	0	0	0	0	56	0	0	0	0		
27	0	0	0	0	0	57	0	0	0	0		
28	0	0	0	0	0	58	0	0	0	0		
29	0	0	0	0	0	59	0	0	0	0		
30	0	0	0	0	0	60	0	0	0	0		

HIGHEST OPACITY READING IS 0 NUMBER OF READINGS AT HIGHEST % OPACITY IS 0

If any individual readings are greater than \_\_\_\_\_ % opacity and there are more than 3 readings of \_\_\_\_\_ % for the 1-hour period, then 3 hours (thirty 8-minute averages) are to be observed. This facility will be in violation of local air permit conditions if there are 13 or more reads at or above 20%.



ADDITIONAL INFORMATION  
 SKETCH/PHOTO

OBSERVER'S NAME (PRINT) RYAN YADAGIRALA  
 OBSERVER'S SIGNATURE [Signature] DATE 1/7/10  
 ORGANIZATION AIRX TESTING  
 CERTIFIED BY CARB 420544 DATE 7/23/09

CONTINUED ON VEO FORM NUMBER \_\_\_\_\_  
 SKETCH FLOW DIAGRAM

Date Reduction

Set No.	Min. Start-End	Opacity	
		St m	Avg
1	1-6		
2	7-12		
3	13-18		
4	19-24		
5	25-30		
6	31-36		
7	37-42		
8	43-48		
9	49-54		
10	55-60		

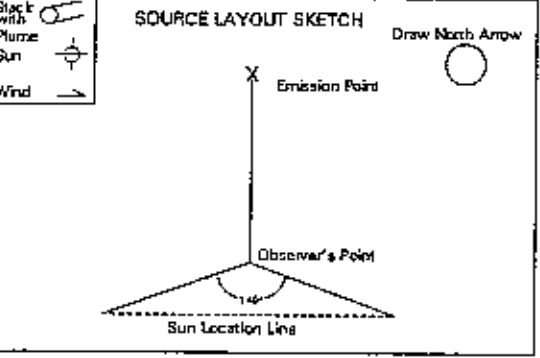
**VISIBLE EMISSION OBSERVATION FORM**

Test Point No. \_\_\_\_\_

Form No. \_\_\_\_\_

COMPANY NAME	
STREET ADDRESS	
CITY	STATE ZIP
PHONE (KEY CONTACT)	SOURCE ID NUMBER
PROCESS EQUIPMENT	OPERATING MODE
CONTROL EQUIPMENT	OPERATING MODE
DESCRIBE EMISSION POINT	
HEIGHT ABOVE GROUND LEVEL	HEIGHT RELATIVE TO OBSERVER Start End
DISTANCE FROM OBSERVER	DIRECTION FROM OBSERVER Start End
DESCRIBE EMISSIONS Start End	
EMISSION COLOR IF WATER DROPLET PLUME Start End	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start End	
DESCRIBE PLUME BACKGROUND Start End	
BACKGROUND COLOR	SKY CONDITIONS
WIND SPEED	WIND DIRECTION
AMBIENT TEMP	WET BULB TEMP RH, percent

OBSERVATION DATE	START TIME					END TIME					COMMENTS	
	Sec Min	0	15	30	45	Sec Min	0	15	30	45		
	1					31						
	2					32						
	3					33						
	4					34						
	5					35						
	6					36						
	7					37						
	8					38						
	9					39						
	10					40						
	11					41						
	12					42						
	13					43						
	14					44						
	15					45						
	16					46						
	17					47						
	18					48						
	19					49						
	20					50						
	21					51						
	22					52						
	23					53						
	24					54						
	25					55						
	26					56						
	27					57						
	28					58						
	29					59						
	30					60						



HIGHEST OPACITY READING IS \_\_\_\_\_

NUMBER OF READINGS AT HIGHEST % OPACITY IS \_\_\_\_\_

If any individual readings are greater than \_\_\_\_\_% opacity and there are more than 3 readings of \_\_\_\_\_% for the 1-hour period, then 3 hours (thirty 6-minute averages) are to be observed. This facility will be in violation of local air permh conditions if there are 13 or more reads at or above 20%.

ADDITIONAL INFORMATION

SKETCH/PHOTO

OBSERVER'S NAME (PRINT)

OBSERVER'S SIGNATURE DATE

ORGANIZATION

CERTIFIED BY DATE

CONTINUED ON VEO FORM NUMBER \_\_\_\_\_

SKETCH FLOW DIAGRAM

**Data Reduction**

Set No.	Min.		Opacity	
	Start-End	Sec	Avg	
1	1-6			
2	7-12			
3	13-18			
4	19-24			
5	25-30			
6	31-36			
7	37-42			
8	43-48			
9	49-54			
10	55-60			

**Yanagihara, Ryan**

Student ID #20544 is certified as a visible emission evaluator based on the score achieved and the criteria established by the U.S. EPA Reference Method 9.

Certification expires: January 22, 2010

*Mary K. Boger*  
Authorized Signatory

July 23, 2009

Course date

Certified for: 100.1  
100.1 = day, 100.2 = night

Average Dev.

White

Black

Sun glasses:

4.4

White

5.2

Black



California Environmental Protection Agency

**AIR RESOURCES BOARD**

**VISIBLE EMISSION EVALUATION PROGRAM**

Information on Future Schedule and Locations:

Day Recert: [http://www.arb.ca.gov/CAP/100\\_1.htm](http://www.arb.ca.gov/CAP/100_1.htm)

Night Recert: [http://www.arb.ca.gov/CAP/100\\_2.htm](http://www.arb.ca.gov/CAP/100_2.htm)

If a photocopy of your qualification form is required, please send a stamped self-addressed envelope to:  
ARB, Enforcement Division, Compliance Assistance Section  
P.O. Box 2815, Sacramento, CA 95812

**CRIMSON PIPELINE, L.P.**  
**VENTURA STATION**  
**WEEKLY**  
**FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	JO			JO	JO		
DATE	2/9/09			2/12	2/13		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	+			-	-		
ANY VISUAL EMISSIONS	-			-	-		
OPACITY G-3 - TIME	-			0700	0700		
ANY VISUAL EMISSIONS	-			N	N		
G-1 PUMP SEAL	N			N	N		
G-3 PUMP SEAL	N			N	N		
STATION VALVES	N			N	N		
TK 301 VALVES	N			N	N		
TK 305 VALVES	N			N	N		
SUMP	N			N	N		
BOOSTER SEAL	N			N	N		
MIXER SEAL	N			N	N		
PIG LAUNCHER	N			N	N		
STATION VISUAL							

If any component is leaking, minimize leak, notify Dist Foreman

Comments:

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**CRIMSON PIPELINE, L.P.**  
**VENTURA STATION**  
**WEEKLY**  
**FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	GF	GF	Jo	TE			
DATE	2-23-9	2-24	2/25	2-26			
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
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OPACITY G-1 - TIME	---	---	---	---			
ANY VISUAL EMISSIONS	---	---	---	---			
OPACITY G-3 - TIME	---	---	1200	0900			
ANY VISUAL EMISSIONS	---	---	N	N			
G-1 PUMP SEAL	N	N	N	N			
G-3 PUMP SEAL	N	N	N	N			
STATION VALVES	N	N	N	N			
TK 301 VALVES	N	N	N	N			
TK 305 VALVES	N	N	N	N			
SUMP	N	N	N	N			
BOOSTER SEAL	YES	N	N	N			
MIXER SEAL	N	N	N	N			
PIG LAUNCHER	N	N	N	N			

STATION VISUAL	OK	OK	OK	TE			
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If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

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**CRIMSON PIPELINE, L.P.**  
**VENTURA STATION**  
**WEEKLY**  
**FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	JC		JL	GF	Jo		
DATE	3/23/9		3/25	3/26	3/27		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	---		---	---	---		
ANY VISUAL EMISSIONS	---		---	---	---		
OPACITY G-3 - TIME	12:45		1300	7:30	0730		
ANY VISUAL EMISSIONS	N		N	N	N		
G-1 PUMP SEAL	N		N	N	N		
G-3 PUMP SEAL	N		N	N	N		
STATION VALVES	N		N	N	N		
TK 301 VALVES	N		N	N	N		
TK 305 VALVES	N		N	N	N		
SUMP	N		N	N	N		
BOOSTER SEAL	N		N	N	N		
MIXER SEAL	N		N	N	N		
PIG LAUNCHER	N		N	N	N		
STATION VISUAL	<i>[Signature]</i>		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

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