

CRIMSON CALIFORNIA



February 6, 2018

Dan Searcy
Manager, Compliance Division
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 3040 0000 4104 1008

**SUBJECT: 2018 TITLE V ANNUAL COMPLIANCE CERTIFICATION
VENTURA HARBOR STATION FACILITY ID #00082**

Dear Mr. Searcy:

Enclosed is the Title V Annual Compliance Certification for Crimson California Pipeline, L.P.'s Ventura Harbor Station Facility ID #00082. This report covers the compliance period of January 1, 2017 through December 31, 2017.

Should any questions arise feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Brad Seeley
EH&S Manager

CC: Mr. Gerardo Rios, Chief, EPA Region 9

Enclosures: Title V Annual Compliance Certification 1/1/2017 – 12/31/2017



3760 Kilroy Airport Way, Suite 300, Long Beach, CA 90806

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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 information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

<p>Signature and Title of Responsible Official:</p>  <p>Title: President</p>	<p>Date:</p> <p>2/5/18</p>
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<p>Time Period Covered by Compliance Certification</p> <p><u> 1 </u> / <u> 1 </u> / <u> 17 </u> (MM/DD/YY) to <u> 12 </u> / <u> 31 </u> / <u> 17 </u> (MM/DD/YY)</p>
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Permit Attachment Form



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 71.2N2; Rules 71.2B4, 71.2C.1, 71.2D, 71.2E</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: External floating roof crude oil storage tank ≥ 40,000 gallons Rules 71.2B4, 71.2C.1, 71.2D, 71.2E</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Rule 71.2 Inspection</p>
<p>C. Method of monitoring: Secondary seals were inspected on 05/08/2017. Primary seals last inspected on May 13, 2015</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 71.4N1, Rules 71.4.B.2, 71.4.C.2</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Sumps, pits, and ponds with covers. Fugitive emissions monitoring and integrity of cover</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 21</p>
<p>C. Method of monitoring: Quarterly fugitive emissions (Rule 74.10) inspections were conducted 01/16/17; 04/26/17; 09/26/17; and 12/13/17. The integrity of the cover was verified. No leaks greater than 10,000 ppm were discovered.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.9N3, Rules 74.9.B.1 and B.2</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Stationary natural gas fired - rich-burn internal combustion engine quarterly inspections and biennial source test.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 100</p>
<p>C. Method of monitoring: Quarterly Emissions testing conducted on 06/06/17; 09/19/17; 12/06/17 (Enterprise only). Caterpillar G-1 was exempt for Q1, Q2, Q3, Q4 of 2017 per Rule 74.9B(5). Biennial source test was last conducted on 01/24/17.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 40CFR63ZZZN5</p>	<p>D. Frequency of monitoring: Every 1,440 hours or annually, whichever comes first</p>
<p>B. Description: RICE MACT for non-emergency 4SRB =< 500 HP oil and filter change maintenance.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Maintenance records, hours of operation.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 1, Rule 26</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Throughput and consumption limits.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Facility throughput and fuel consumption for engines and/or tanks recorded monthly.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 2, Rule 26</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Combustion equipment shall burn only natural gas.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Combustion equipment only burns natural gas.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 3, Rule 29</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Solvent usage and exemptions.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Safety data sheets and additional information of any solvents used during this compliance period obtained and reviewed. Usage of required solvents logged monthly.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. PO0082PC2, Rules 26 and 74.9</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: BACT for Caterpillar Engine G-1 - emissions limits (ROC, NOx, CO). Monitor Air:Fuel ratio controller readings quarterly.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 100</p>
<p>C. Method of monitoring: Biennial source test last conducted on 1/24/2017. Air:Fuel ratio controllers monitored on Engine Data Sheets.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 50, Rule 50</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Opacity observation at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 9</p>
<p>C. Method of monitoring: Annual opacity conducted by AirX Testing Services, Inc. on 11/29/17. Opacity surveillance and visual inspections of emissions conducted and recorded on fugitive emission log.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Att. No. 54.B.1, Rule 54.B.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Sulfur emissions from combustion operations at point of discharge; follow monitoring requirements under Rule 64.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Facility follows monitoring requirements under Rule 64. Only PUC grade natural gas combusted at this facility. No additional periodic monitoring required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 54.B.2, Rule 54.B.2</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Emission of sulfur compounds.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Only PUC grade natural gas combusted at this facility.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 55, Rule 55</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Fugitive Dust.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No dust generating activities were conducted at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Att. No. 57.1, Rule 57.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Particulate matter emissions from fuel burning equipment.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: This facility does not have any fuel burning equipment such as boilers, steam generators, process heaters, water heaters, flares, and gas turbines. Internal combustion engines do not apply.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 64.B.1, Rule 64.B.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Sulfur content of fuels - gaseous fuel requirements.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Only PUC grade natural gas combusted at this facility. No periodic monitoring required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.6, Rule 74.6</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Solvent cleaning activities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No reportable solvents used at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 74.10, Rule 74.10</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Fugitive leak and leak inspections.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 21</p>
<p>C. Method of monitoring: Quarterly component leak detection inspections conducted on 01/16/17; 04/26/17; 09/26/17; and 12/13/17. Routine surveillance at this unmanned facility recorded on fugitive emission log.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.11.1, Rule 74.11.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Large water heaters and small boilers.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: This facility is not equipped with large water heaters or small boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.22, Rule 74.22</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Requirements for natural gas-fired fan-type central furnaces,</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: This facility is not equipped with fan-type central furnaces.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 74.1, Rule 74.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Abrasive blasting.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No abrasive blasting activities were conducted at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.2, Rule 74.2</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Architectural coatings.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No architectural coatings were applied at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 74.26, Rule 74.26</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Crude oil storage tank degassing operations.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No crude oil storage tank degassing activities were conducted at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Att. No. 74.29N3, Rule 74.29</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Soil decontamination operation.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No soil decontamination activities were conducted at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Att. No. 40CFR.61.M, Rule 40 CFR Part 61, Subpart M</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: National emission standards for asbestos.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No asbestos removal, renovation, or demolition activities were conducted at this facility during this compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #:</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p>	<p>F. Currently in Compliance? (Y or N): _____ G. Compliance Status? (C or I): _____ H. *Excursions, exceedances, or other non-compliance? (Y or N): _____ *If yes, attach Deviation Summary Form</p>

Source Test Summary Form



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: NOx
C. Measured Emission Rate: 4.8 ppmv @ 15% O2	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: CO
C. Measured Emission Rate: 694 ppmv @ 15% O2	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: ROC
C. Measured Emission Rate: <0.4 ppmv @ 15% O2, dry	D. Limited Emission Rate: N/A	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: NOx
C. Measured Emission Rate: 9.3 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: CO
C. Measured Emission Rate: 84 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: ROC
C. Measured Emission Rate: 0.7 ppmv @ 15% O2	D. Limited Emission Rate: 250 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 1/13/2017

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: NOx
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 2nd Qtr - Operated 0 hrs	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: CO
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 2nd Qtr - Operated 0 hrs	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: NOx
C. Measured Emission Rate: 14.3 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 5/18/2017

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: CO
C. Measured Emission Rate: 3,847 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 5/18/2017



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: NOx
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 3rd Qtr - Operated 0 hrs	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: CO
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 3rd Qtr - Operated 0 hrs	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: NOx
C. Measured Emission Rate: 14.0 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 9/13/2017

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: CO
C. Measured Emission Rate: 1,840 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 9/13/2017

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: NOx
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 4th Qtr - Operated 0 hrs	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



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Period Covered by Compliance Certification: 01 / 01 / 17 (MM/DD/YY) to 12 / 31 / 17 (MM/DD/YY)

A. Emission Unit Description: 415 HP Caterpillar NG Rich Burn Engine G-1			B. Pollutant: CO
C. Measured Emission Rate: Exempt per Rule 74.9B(5) 4th Qtr - Operated 0 hrs	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: NOx
C. Measured Emission Rate: 14.6 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 11/29/2017

A. Emission Unit Description: 465 HP Enterprise GSG-6 NG Rich Burn Engine G-3			B. Pollutant: CO
C. Measured Emission Rate: 296 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	F. Test Date: 11/29/2017

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

Attachment 71.2N3

Annual Tank Seal Inspection Report

**Ventura County Air Pollution Control District
Rule 71.2 Compliance Report**

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

Page 1 of 4

Tank No. 150305 VCAPCD Permit No. 00082 Inspection Date 05/08/2016 Time 08:43
 Is This a Follow-up Inspection? No Yes If yes, Date of Previous Inspection _____

A. COMPANY INFORMATION:

Company Name Crimson Pipeline LLC
 Location Address 1200 Spinnaker Drive City Ventura Zip 98001
 Mailing Address 3760 Kilroy Airport way Suite 300 City Long Beach Zip 90806
 Contact Person Jeff Brooks Title Pipeline inspector
 Phone (562)355-6952

B. INSPECTION CONDUCTED BY:

Name Demetrius Henry Title Inspector
 Company Name HMT Tank Service LLC Phone 310-603-1973
 Mailing Address 2500 E. Victoria st City Compton Zip 90220

C. TANK INFORMATION:

Capacity 160,000 (bbls) Installation Date 1951 Tank Diameter 150' (ft) Tank Height 50'7" (ft)
 Product Type Crude Product RVP No Data If Crude, H₂S Content No Data (ppm weight)
 Type of Tank: Riveted Welded Other (describe) _____
 Color of Shell Tan Color of Roof White
 Roof Type: Pontoon Double Deck Other(describe) _____
 External floating roof Internal floating roof

D. GROUND LEVEL INSPECTION:

- 1) Product Temperature 67 ° F 2) Product level 20FT 10in (ft)
- 3) List type and location of leaks found in tank shell.
None Found
- 4) List any discrepancies between the existing equipment and the equipment description on the Permit.
None
- 5) Is tank in compliance with Permit conditions? No Yes If no, explain _____

E. INTERNAL FLOATING ROOF TANK:

- 1) Check vapor space between floating roof and fixed roof with explosimeter. N/A % LEL
- 2) Conduct visual inspection of roofs and secondary seals, if applicable.
- 3) Are all roof openings covered? N/A If no, explain in Comments section (J) and proceed to part (H)(6).

F. EXTERNAL FLOATING ROOF TANK:

- 1) On the diagram (below) indicate the location of the ladder, roof drain(s), anti-rotation device(s), platform, gauge well, and vents or other appurtenances. *Note information in relation to North (to the top of the worksheet).*
- 2) Describe any uncovered openings found on the roof in the Comments section (J). (Refer to Rule 463(a)(1)(F)):
- 3) Identify any tears in the seal fabric. Describe and indicate on diagram (below):

4) Secondary Seal Inspection

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

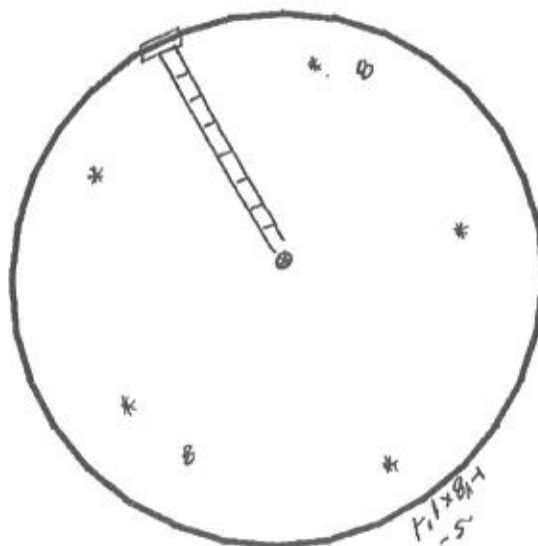
NOTE: Record the actual width and cumulative length of gaps in feet and inches.
(Do not include gaps > 1/2" in 1/8" measurements)

5) Primary Seal Inspection Not Inspected at this Time

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

> 1-1/2" n/a NOTE: Record the actual width and cumulative length of gaps in feet and inches.
(Do not include gaps > 1/2" in 1/8" measurements, or gaps > 1-1/2" in 1/2" measurements)

NOTE: Show defects using symbols. Show seal gaps and lengths.



LEGEND:

Equipment:

- ⊙ Antirotational device
- ⊙ Gauge well
- ⊙ Leg stand
- ⊙ Roof drain
- * Emergency roof drain
- ⊙ Vacuum breaker
- ⊙ Vent
- ⊙ Platform & ladder

Defects:

- x Leg top
- x Leg pin
- x Open hatch
- V Torn seal
- P- Primary seal gap
- S- Secondary seal gap

T = 2
T = 10
T = 15
°T = 10
T = 10

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

Tank No. 150305 VCAPCD Permit No. 00082

Page 3 of 4

IF INTERNAL FLOATING ROOF TANK, PROCEED TO PART H(6).

G. CALCULATIONS - complete all applicable portions of the following:

Record dimensions of indicated gaps [from F(4)(d), F(5)(b), and F(5)(f)]. Record in feet and inches.

Gaps in primary seal between 1/8 and 1/2 inch: n/a
Gaps in primary seal between 1/2 and 1-1/2 inch: n/a
Gaps in primary seal greater than 1-1/2 inches: n/a
Gaps in secondary seal between 1/8 and 1/2 inch: 1'
Gaps in secondary seal greater than 1/2 inch: 0

Multiply diameter (ft) of tank to determine appropriate gap limits: Diameter 150 feet

5% circumference = diameter X	=	<u>23.5</u>	60% circ. = diam. X	=	<u>282</u>
10% circumference = diameter X	=	<u>47.1</u>	90% circ. = diam. X	=	<u>424.5</u>
30% circumference = diameter X	=	<u>141.3</u>	95% circ. = diam. X	=	<u>447</u>

H. DETERMINE COMPLIANCE STATUS OF TANK:

- 1) Were any openings found on the roof? No Yes
- 2) Were any tears in the seals found? No Yes
- 3) Is the product level lower than the level at which the roof would be floating? No Yes
- 4) Secondary Seal:
- Did 1/2" probe drop between shell and seal? No Yes
- Did cumulative 1/8" - 1/2" gap exceed 5% circumference length? No Yes
- 5) Primary Seal
- Shoe Did 1-1/2" probe drop between shell and seal? N/A No Yes
- Did cumulative 1/2" - 1-1/2" gap exceed 30% circumference length, and N/A
- Did cumulative 1/8" - 1/2" gap exceed 60% circumference length? N/A No Yes
- Did any single continuous 1/8" - 1-1/2" gap exceed 10% circ. length? N/A No Yes
- Tube Did 1/2" probe drop between shell and seal? N/A
- Did cumulative 1/8" - 1/2" gap exceed 95% circumference length? N/A
- 6) Internal floating roof (installed before 6/1/84) did LEL exceed 50% N/A
- (Installed after 6/1/84) did LEL exceed 30%? N/A
- 7) Does tank have permit conditions? For 2nd Seal Only No Yes
- Does tank comply with these conditions? No Yes

I. IF INSPECTION WAS TERMINATED PRIOR TO COMPLETION FOR ANY REASON, PLEASE EXPLAIN:

Inspection on Secondary Seal was completed

J. 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.

At this Time May 8, 2017 Secondary Seal Found in compliance with Seal gap inspection.

No Inspection performed on primary seal at this time

K. I(We) certify the foregoing information to be correct and complete to the best of my(our) knowledge.

Inspection completed by: [Signature] DH001 Date: 5-10-2017
(signature) (Certification ID #)

Compliance status by: [Signature] DH001 Date: 5-10-2017
(signature) (Certification ID #)

Company Representative: [Signature] Date: 5/11/17
(signature) (Certification ID #)

Send Completed Report (Both Sheet) To:
 Ventura County Air Pollution Control District

FOR VCAPCD USE ONLY:		Date received _____
Reviewed by: _____		Date reviewed _____
<small>(signature)</small>	<small>(Certification ID #)</small>	
Tank Status: <input type="checkbox"/> in compliance <input type="checkbox"/> in violation, Rule(s) _____		
Comments: _____		

Attachment 71.4N1

Rule 74.10 Quarterly Component Leak Report



Ventura County APCD
Rule 74.10 Component Leak Report

Q1/2017

Company Crimson Pipeline, LLC
Facility Ventura Harbor Pump Station
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082
Contact Brad Seeley
(562) 285-4113

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 01/16/2017**



Ventura County APCD
Rule 74.10 Component Leak Report

Q2/2017

Company Crimson Pipeline, LLC
Facility Ventura Harbor Pump Station
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082
Contact Brad Seeley
(562) 285-4113

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

No Reportable Leaks for this Quarter
Inspected on 04/26/2017



Ventura County APCD
Rule 74.10 Component Leak Report

Q3/2017

Company Crimson Pipeline, LLC
Facility Ventura Harbor Pump Station
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082
Contact EH&S Department
(562) 285-4113

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

No Reportable Leaks for this Quarter
Inspected on 09/26/2017



Ventura County APCD
Rule 74.10 Component Leak Report

Q4/2017

Company Crimson Pipeline, LLC
Facility Ventura Harbor Pump Station
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082
Contact EH&S Department
(562) 285-4113

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

No Reportable Leaks for this Quarter
Inspected on 12/13/2017

Attachment 74.9N3

**Quarterly Emissions Screenings / Biennial Source
Test**



SUMMARY OF SOURCE TEST RESULTS
Crimson Pipeline
Harbor
Enterprise ICE
1/13/2017

CONSTITUENTS	MEASURED VALUES			AVERAGE	Allowable
	Run #1	Run #2	Run #3		
Oxides of Nitrogen					
ppmv	37.0	42.0	19.8	32.9	-
ppmv @ 15% O2	10.4	11.9	5.6	9.3	25
lb/hr	0.11	0.11	0.061	0.095	-
lb/MMBtu	0.038	0.044	0.021	0.034	-
gm/BHP-hr	0.13	0.13	0.069	0.11	-
Carbon Monoxide					
ppmv	441	388	65	298	-
ppmv @ 15% O2	125	110	19	84	4500
lb/hr	0.82	0.62	0.12	0.52	-
lb/MMBtu	0.28	0.25	0.042	0.19	-
gm/BHP-hr	0.93	0.71	0.14	0.59	-
Total Non-Methane/Ethane Hydrocarbons, as CH4					
ppmv, dry	< 1.5	3.5	1.6	2.4	-
ppmv @ 15% O2, dry	-	-	-	0.7	250
lb/hr	< 0.0019	0.0044	0.0020	0.0024	-
Oxygen, %	0.0	0.1	0.2	0.1	-
Stack Flowrate, dscfm	426	368	430	408	-
Moisture, %	17.9	17.9	17.8	17.9	-
Fuel Usage, cfm	46.6	40.0	46.6	44.4	-

SUMMARY OF SOURCE TEST RESULTS

Crimson Pipeline

Harbor

CAT ICE

1/13/2017

<i>CONSTITUENTS</i>	<i>MEASURED VALUES</i>			<i>AVERAGE</i>
	<i>Run #1</i>	<i>Run #2</i>	<i>Run #3</i>	
Oxides of Nitrogen				
ppmv	12.7	18.2	20.0	17.0
ppmv @ 15% O2	3.6	5.1	5.6	4.8
lb/hr	0.028	0.040	0.044	0.037
lb/MMBtu	0.013	0.019	0.021	0.018
gm/BHP-hr	0.030	0.043	0.048	0.040
Carbon Monoxide				
ppmv	2787	2240	2343	2457
ppmv @ 15% O2	789	633	661	694
lb/hr	3.71	2.98	3.11	3.26
lb/MMBtu	1.77	1.42	1.48	1.56
gm/BHP-hr	4.06	3.26	3.40	3.57
Total Non-Methane/Ethane Hydrocarbons, as CH4				
ppmv, dry	< 1.5	< 1.5	< 1.5	< 1.5
ppmv @ 15% O2, dry	-	-	-	< 0.4
lb/hr	< 0.0014	< 0.0014	< 0.0014	< 0.0014
Oxygen, %	0.0	0.0	0.0	0.0
Stack Flowrate, dscfm	305	305	304	305
Moisture, %	17.9	17.9	18.0	17.9
Fuel Usage, cfm	33.3	33.3	33.3	33.3

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Ventura Harbor Pump Station
G-3

5/18/2017

		<i>Allowable</i>
Oxides of Nitrogen (NO_x)		
ppmv	50.7	-
ppmv @ 15% O ₂	14.3	25
Carbon Monoxide (CO)		
ppmv	13624	-
ppmv @ 15% O ₂	3847	4500
Oxygen (O₂),		
percent	0.0	-

Note: Reported values represent a 15 minute average.

CRIMSON CALIFORNIA



July 27, 2017

Daniel Cho
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 1450 0000 8413 5701

**SUBJECT: 2017 SECOND QUARTER EMISSION TESTING EXEMPTION
415 HP CATERPILLAR NG RICH BURN ENGINE
VENTURA HARBOR STATION #00082**

Dear Mr. Cho:

For the second quarter of 2017, the following equipment was exempt from Rule 74.9B.5 quarterly emission testing requirements:

- 415 HP Caterpillar NG Rich Burn Engine, Ventura Harbor Station #00082

Per Rule 74.9B.5(b): "the engine operated less than 32 hours in each of the three months of the applicable quarter, as measured by a non-resettable elapsed operating hour meter".

The operating hours of the Caterpillar engine during the second quarter of 2017 are as followed:

MONTH	HOURS
April	0
May	0
June	0

The remaining equipment was tested on May 18th, 2017:

- 465 HP Enterprise GSG-6 NG Rich Burn Engine, Ventura Harbor Station #00082

The above mentioned quarterly emission testing report was submitted by Crimson's contractor, AirX Testing Services, Inc. Should you have any questions, feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Valerie Jackson
VP Engineering & Regulatory Affairs



SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Ventura Harbor Pump Station
G-3

9/13/2017

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	49.5	-
ppmv @ 15% O2	14.0	25
Carbon Monoxide (CO)		
ppmv	6515	-
ppmv @ 15% O2	1840	4500
Oxygen (O2),	percent	
	0.0	-

Note: Reported values represent a 15 minute average.

CRIMSON CALIFORNIA



October 6, 2017

Daniel Cho
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 1070 0001 0302 6315

**SUBJECT: 2017 THIRD QUARTER EMISSION TESTING EXEMPTION
415 HP CATERPILLAR NG RICH BURN ENGINE
VENTURA HARBOR STATION #00082**

Dear Mr. Cho:

For the third quarter of 2017, the following equipment was exempt from Rule 74.9B.5 quarterly emission testing requirements:

- 415 HP Caterpillar NG Rich Burn Engine, Ventura Harbor Station #00082

Per Rule 74.9B.5(b): *"the engine operated less than 32 hours in each of the three months of the applicable quarter, as measured by a non-resettable elapsed operating hour meter"*.

The operating hours of the Caterpillar engine during the third quarter of 2017 are as followed:

MONTH	HOURS
July	0
August	0
September	0

The remaining equipment was tested on September 13th, 2017:

- 465 HP Enterprise GSG-6 NG Rich Burn Engine, Ventura Harbor Station #00082

The above mentioned quarterly emission testing report was submitted by Crimson's contractor, AirX Testing Services, Inc. Should you have any questions, feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Brad Seeley
EH&S Manager



3760 Kilroy Airport Way, Suite 300, Long Beach, CA 90806

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Ventura Pump Station
CAT

11/29/2017

			<i>Allowable</i>
Oxides of Nitrogen (NOx)			
	ppmv	<i>NM</i>	-
	ppmv @ 15% O2	<i>NM</i>	25
Carbon Monoxide (CO)			
	ppmv	<i>NM</i>	-
	ppmv @ 15% O2	<i>NM</i>	4500
Oxygen (O2),	percent	<i>NM</i>	-
Opacity, %		0.0	10%

Note: Reported values represent a 15 minute average.

CRIMSON CALIFORNIA



January 8th, 2018

Daniel Cho
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7017 1070 0001 0301 1410

**SUBJECT: 2017 FOURTH QUARTER EMISSION TESTING EXEMPTION
415 HP CATERPILLAR NG RICH BURN ENGINE
VENTURA HARBOR STATION #00082**

Dear Mr. Cho:

For the fourth quarter of 2017, the following equipment was exempt from Rule 74.9B.5 quarterly emission testing requirements:

- 415 HP Caterpillar NG Rich Burn Engine, Ventura Harbor Station #00082

Per Rule 74.9B.5(b): *"the engine operated less than 32 hours in each of the three months of the applicable quarter, as measured by a non-resettable elapsed operating hour meter"*.

The operating hours of the Caterpillar engine during the [quarter] quarter of [year] are as followed:

MONTH	HOURS
October	0
November	0
December	0

The remaining equipment was tested on November 29th, 2017:

- 465 HP Enterprise GSG-6 NG Rich Burn Engine, Ventura Harbor Station #00082

The above mentioned quarterly emission testing report was submitted by Crimson's contractor, AirX Testing Services, Inc. Should you have any questions, feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Brad Seeley
EH&S Manager



40 CFR 63ZZZN7

Maintenance Records and Hours of Operations

VENTURA STATION ENGINE DATA SHEET
ENTERPRISE G-3

ENGINE TIMER: START 19902 FINISH 20015 TOTAL HOURS 113

INITIALS	JP	JP	JP	SP	SP	JP	JP
DATE	1-16/17	1-17	1-18	1-19	1-20	1-21	1-22
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE	513	↑	↑	512	510	504	
SUCTION PRESSURE	119	↑	↑	111	108	105	
ENGINE RPM'S	376	↑	↑	376	376	376	
JACKET WATER PRESSURE	27	↑	↑	28	28	28	
JACKET WATER TEMP	167	↑	↑	168	166	167	
HEAT EXCHANGER TEMP	130	↑	↑	130	130	132	
INBOARD BEARING TEMP	118	↑	↑	120	118	120	
OUTBOARD BEARING TEMP	148	↑	↑	150	150	150	
AIR/FUEL PRESS - FRONT	.021	↑	↑	.036	0.14	.000	
AIR/FUEL PRESS - BACK	.150	∇	∇	.761	0.758	.756	
LUBE OIL LEVEL	1/2	∇	∇	1/2	1/2	1/2	
OIL ADDED TO ENGINE	0	∇	∇	12gal	8gal	—	
LUBE OIL ENG PRESS	58	0	0	59	59	59	
GEAR BOX OIL PRESSURE	8	0	0	9	9	9	
LUBE OIL FILTER	65	∇	∇	65	64	65	
CONVERTER TEMP TC-1 in	822	W	W	798	779	767	∇
CONVERTER TEMP TC-2 out	768	∇	∇	781	760	753	∇
CYLINDER #1	1069	∇	∇	1001	998	985	0
CYLINDER #2	1011	N	N	1045	948	984	W
CYLINDER #3	986	∇	∇	955	961	965	N
CYLINDER #4	1001	∇	∇	1004	999	1018	N
CYLINDER #5	1020	∇	∇	1022	1014	1018	
CYLINDER #6	1040	∇	∇	1035	1025	1036	
AIR PRESSURE	210	∇	∇	205	205	210	
WATER MAKE-UP TANK	Full	∇	∇	Full	Full	Full	
GAS METER READING		∇	∇				



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 2-8-17

FINISH DATE: 2-13-17

ENGINE HOUR: 20195

ENGINE HOUR: 20322

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	↑	516	490	500	494		
SUCTION PRESSURE (psi)	↑	112	108	107	107		
LUBE OIL LEVEL	↑	1/2	1/2	1/2	1/2		
OIL ADDED TO ENGINE (gal)	↑	0	0	12 gal	8 gal		
AIR PRESSURE (psi)	↑	205	210	205	205		
CONVERTER TEMP TC-1 (°F)	↑	761	761	770	753		
CONVERTER TEMP TC-2 (°F)	↑	758	761	769	749		
FRONT AIR/FUEL PRESSURE (psi)	D	.117	.000	.000	.00		
REAR AIR/FUEL PRESSURE (psi)	↑	.780	.765	.705	.745		
ENGINE RPM'S	0	375	369 375	371	370		
CYLINDER #1 (°F)		997	994	994	984		D
CYLINDER #2 (°F)	W	1006	1053	1021	1007		
CYLINDER #3 (°F)		961	958	964	959	D	0
CYLINDER #4 (°F)	N	998	1006	998	991	0	
CYLINDER #5 (°F)		1012	1014	1027	1007	W	W
CYLINDER #6 (°F)		1017	1023	1020	1016	W	
GEAR BOX OIL PRESSURE (psi)	↑	9	9	8	9		N
INBOARD BEARING TEMP (°F)	↑	118	120	120	119		
OUTBOARD BEARING TEMP (°F)	↑	148	150	149	149		
WATER MAKE-UP TANK LEVEL	↑	Full	Full	Full	Full		
JACKET WATER PRESURE (psi)	↑	28	28	27	28		
JACKET WATER TEMP (°F)	↑	167	167	168	167		
HEAT EXCHANGER TEMP (°F)	↑	130	135	135	135		
LUBE OIL ENG PRESS (psi)	↑	59	59	59	59		
LUBE OIL FILTER	↑	65	65	65	65		
GAS METER READING	↑						
INITIAL:	JD	JD	JD	JD	JD	JD	JD
DATE:	2-8-17	2-9-17	2-8-17	2-9-17	2-10-17	2-11-17	2-12-17



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 3-20-17 FINISH DATE: 3-27-17

ENGINE HOUR: 20679 ENGINE HOUR: 20734

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	533			509	499		
SUCTION PRESSURE (psi)	111			110	111		
LUBE OIL LEVEL	1/2			1/2	1/2		
OIL ADDED TO ENGINE (gal)	—			16 gal	0		
AIR PRESSURE (psi)	215			205	205		
CONVERTER TEMP TC-1 (°F)	762			805	775		
CONVERTER TEMP TC-2 (°F)	760			789	766		
FRONT AIR/FUEL PRESSURE (psi)	.019			.817	.168		
REAR AIR/FUEL PRESSURE (psi)	.725			.245	.684		
ENGINE RPM'S	375			373	367		
CYLINDER #1 (°F)	1002	D	D	1052	1017	D	D
CYLINDER #2 (°F)	1027	O	O	1083	1044	O	O
CYLINDER #3 (°F)	977	W	W	973	960	W	W
CYLINDER #4 (°F)	1009	N	N	1012	998	N	N
CYLINDER #5 (°F)	1014			1023	1009		
CYLINDER #6 (°F)	1072			1044	1040		
GEAR BOX OIL PRESSURE (psi)	9			15	9		
INBOARD BEARING TEMP (°F)	124			98.1	117		
OUTBOARD BEARING TEMP (°F)	154			98.2	144		
WATER MAKE-UP TANK LEVEL	Full			Full	Full		
JACKET WATER PRESURE (psi)	28			28	28		
JACKET WATER TEMP (°F)	174			157	168		
HEAT EXCHANGER TEMP (°F)	142			136	136		
LUBE OIL ENG PRESS (psi)	58			65	65		
LUBE OIL FILTER	65			70	70		
GAS METER READING	253302						
INITIAL:	SP	SP	SP	SP	SP	SP	SP
DATE:	3-20	3-21	3-22	3-23	3-24	3-25	3-26



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 4.17.17

FINISH DATE: 4.24.17

ENGINE HOUR: 20980

ENGINE HOUR: 21072

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	↑	↑	466	518	492		516
SUCTION PRESSURE (psi)			109	111	112		111
ENGINE RPM'S			355	375	371		375
JACKET WATER PRESURE (psi)			25	27	26		28
JACKET WATER TEMP (°F)			168	168	168		168
HEAT EXCHANGER TEMP (°F)			132	130	130		135
INBOARD BEARING TEMP (°F)			119	116	117		117
OUTBOARD BEARING TEMP (°F)			148	131	131		131
FRONT AIR/FUEL PRESSURE (psi)			+128	+592	591		202
REAR AIR/FUEL PRESSURE (psi)			+771	+153	150		144
LUBE OIL LEVEL			1/2	1/2	1/2		1/2
OIL ADDED TO ENGINE (gal)	0	0	13 gal	0	0		26 gal ←
LUBE OIL ENG PRESS (psi)	0	0	59	61	61		62
GEAR BOX OIL PRESSURE (psi)	W	W	9	11	16		12
LUBE OIL FILTER	N	N	62	65	64	D	66
CONVERTER TEMP TC-1 (°F)		N	732	793	791	0	799
CONVERTER TEMP TC-2 (°F)			724	781	783	W	784
CYLINDER #1 (°F)			970	1018	1016	N	1012
CYLINDER #2 (°F)			998	1055	1051		1052
CYLINDER #3 (°F)			943	956	957		952
CYLINDER #4 (°F)			977	1018	1017		1011
CYLINDER #5 (°F)			998	1022	1021		1019
CYLINDER #6 (°F)			1006	1036	1034		1039
AIR PRESSURE (psi)			205	205	205		215
WATER MAKE-UP TANK LEVEL			Full	Full	Full		FULL
GAS METER READING	↓	↓	—	—	—		—

INITIAL: ST JP JP JP DH JD SE
 DATE: 4.17 4.18 4.19 4.20 4.21 4.22 4.23



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER							
START DATE:	5-15-17			FINISH DATE:	5-21-17		
ENGINE HOUR:	21254			ENGINE HOUR:	21390		
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No							
If yes, notify Maintenance Lead							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	441.1	↑	↑	469	421	412	↑
SUCTION PRESSURE (psi)	106.9	↑	↑	111	107	108	↑
ENGINE RPM'S	355	↑	↑	355	340	353	↑
JACKET WATER PRESURE (psi)	26	↑	↑	25	24	23	↑
JACKET WATER TEMP (°F)	169.2	0	0	166	167	167	↑
HEAT EXCHANGER TEMP (°F)	138	0	0	138	132	140	↑
INBOARD BEARING TEMP (°F)	120.2			112	116	120	↑
OUTBOARD BEARING TEMP (°F)	150.1			123	143	150	↑
FRONT AIR/FUEL PRESSURE (psi)	0.16	0	0	0.199	0.11	0.11	↑
REAR AIR/FUEL PRESSURE (psi)	0.761			0.750	0.763	0.765	0
LUBE OIL LEVEL	1/2			1/2	3/8	3/8	0
OIL ADDED TO ENGINE (gal)	1.9 gal			1.9 gal	0	1.3 gal	W
LUBE OIL ENG PRESS (psi)	60	W	W	61	60	59	W
GEAR BOX OIL PRESSURE (psi)	9			12	8	7	↑
LUBE OIL FILTER	64			65	65	63	↑
CONVERTER TEMP TC-1 (°F)	737			745	698	690	↑
CONVERTER TEMP TC-2 (°F)	728	W	W	728	687	671	↑
CYLINDER #1 (°F)	993	↓	↓	994	963	953	↓
CYLINDER #2 (°F)	1033	↓	↓	1018	971	970	↓
CYLINDER #3 (°F)	942	↓	↓	937	951	925	↓
CYLINDER #4 (°F)	984	↓	↓	975	952	958	↓
CYLINDER #5 (°F)	997	↓	↓	986	978	967	↓
CYLINDER #6 (°F)	1008	↓	↓	1001	979	977	↓
AIR PRESSURE (psi)	215	↓	↓	205	215	205	↓
WATER MAKE-UP TANK LEVEL	Full	↓	↓	Full	Full	Full	↓
GAS METER READING	—	↓	↓	—	—	—	↓
INITIAL:	SP	SP	SP	SP	SP	SP	SP
DATE:	5-15	5-16	5-17	5-18	5-19	5-20	5-21



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 6.5.17

FINISH DATE: 6.12.17

ENGINE HOUR: 21422

ENGINE HOUR: 21535

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	517	419	419	402		410.0	
SUCTION PRESSURE (psi)	111	109	108	107		111.2	
ENGINE RPM'S	373	334	332	329		329	
JACKET WATER PRESURE (psi)	27	24	23	23		23	
JACKET WATER TEMP (°F)	176	166	167	167		143.5	
HEAT EXCHANGER TEMP (°F)	150	150	155	140		73	
INBOARD BEARING TEMP (°F)	125	118	118	118		95.7	
OUTBOARD BEARING TEMP (°F)	154	146	146	146		94.4	
FRONT AIR/FUEL PRESSURE (psi)	.22	.225	.226	.228		.876	
REAR AIR/FUEL PRESSURE (psi)	.777	.772	.772	.775		.754	
LUBE OIL LEVEL	1/2	3/8		4/3/8		3/8	
OIL ADDED TO ENGINE (gal)	18 gal	0	0	16 gal		16 gal	
LUBE OIL ENG PRESS (psi)	60	60	59	60		64	
GEAR BOX OIL PRESSURE (psi)	8	8	8	7	0	13	
LUBE OIL FILTER	65	65	62	62	0	67	0
CONVERTER TEMP TC-1 (°F)	761	691	685	687	W	649	6
CONVERTER TEMP TC-2 (°F)	771	687	670	671	N	640	
CYLINDER #1 (°F)	1021	965	957	956		965	W
CYLINDER #2 (°F)	1056	1014	1014	1022		1003	N
CYLINDER #3 (°F)	971	929	926	932		921	
CYLINDER #4 (°F)	1006	927	936	934		940	
CYLINDER #5 (°F)	1025	952	953	950		952	
CYLINDER #6 (°F)	1037	952	950	964		975	
AIR PRESSURE (psi)	210	210	210	220		205	
WATER MAKE-UP TANK LEVEL	Full	Full	Full	Full		FULL	
GAS METER READING							
INITIAL:	SP	SP	SP	SP	ST	ST	ST
DATE:	6.5.17	6.6.17	6.7.17	6.8.17	6.9.17	6.10.17	6.11.17



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 7-17-17 FINISH DATE: 7-23-17

ENGINE HOUR: 21854 ENGINE HOUR: 21930

Within 200 hrs or 1 week of next required oil & filter change? Yes No

****If yes, notify Maintenance Lead****

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)					396.6	394.1	434.2
SUCTION PRESSURE (psi)					108.6	108.2	111.3
ENGINE RPM'S					328	327	340
JACKET WATER PRESURE (psi)					23	23	22
JACKET WATER TEMP (°F)					169.3	168.9	179.3
HEAT EXCHANGER TEMP (°F)					140	142	146
INBOARD BEARING TEMP (°F)					121.2	122.0	124.6
OUTBOARD BEARING TEMP (°F)					147.7	149.1	151.6
FRONT AIR/FUEL PRESSURE (psi)	D	D	D	D	.839	.844	.842
REAR AIR/FUEL PRESSURE (psi)	0	0	0	0	.770	.770	.776
LUBE OIL LEVEL	W	W	W	W	3/8	3/8	3/8
OIL ADDED TO ENGINE (gal)	N	N	N	N	13 13	17.5	—
LUBE OIL ENG PRESS (psi)					59	59	59
GEAR BOX OIL PRESSURE (psi)					8	8	8
LUBE OIL FILTER					65	66	65
CONVERTER TEMP TC-1 (°F)					483	679	700
CONVERTER TEMP TC-2 (°F)					663	664	685
CYLINDER #1 (°F)					971	971	998
CYLINDER #2 (°F)					926	972	980
CYLINDER #3 (°F)					931	947	956
CYLINDER #4 (°F)					928	928	953
CYLINDER #5 (°F)					944	949	966
CYLINDER #6 (°F)					966	977	994
AIR PRESSURE (psi)					205	205	175
WATER MAKE-UP TANK LEVEL					FULL	FULL	FULL
GAS METER READING					—	—	—

INITIAL:	SP	SP	SP	SP	SS	SS	SS
DATE:	7-17	7-18	7-19	7-20	7-21	7-22	7-23



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER							
START DATE:	8.14.17			FINISH DATE:	8.20.17		
ENGINE HOUR:	2219			ENGINE HOUR:	2221		
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No							
If yes, notify Maintenance Lead							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	↑	↑	422	396	396	403	403
SUCTION PRESSURE (psi)	↑	↑	110	106	106	107	104
ENGINE RPM'S	↑	↑	337	332	329	328	322
JACKET WATER PRESURE (psi)			22	23	21	22	23
JACKET WATER TEMP (°F)	○	○	169	167	167	167	166
HEAT EXCHANGER TEMP (°F)			145	142	136	136	136
INBOARD BEARING TEMP (°F)			119	120	121	121	121
OUTBOARD BEARING TEMP (°F)	○	○	145	145	147	147	148
FRONT AIR/FUEL PRESSURE (psi)			835	824	825	829	828
REAR AIR/FUEL PRESSURE (psi)			790	784	786	783	784
LUBE OIL LEVEL	W	W	3/8	3/8	3/8	3/8	3/8
OIL ADDED TO ENGINE (gal)			0	17	0	27	15
LUBE OIL ENG PRESS (psi)			60	59	59	59	59
GEAR BOX OIL PRESSURE (psi)	N	N	808	7	7	7	8
LUBE OIL FILTER			64	63	63	63	63
CONVERTER TEMP TC-1 (°F)	↓	↓	695	696	693	688	684
CONVERTER TEMP TC-2 (°F)	↓	↓	682	681	679	670	670
CYLINDER #1 (°F)	↓	↓	990	984	951	952	974
CYLINDER #2 (°F)	↓	↓	974	976	973	977	970
CYLINDER #3 (°F)	↓	↓	960	966	956	958	938
CYLINDER #4 (°F)	↓	↓	945	940	937	938	929
CYLINDER #5 (°F)	↓	↓	957	953	955	957	951
CYLINDER #6 (°F)	↓	↓	988	980	951	950	955
AIR PRESSURE (psi)	↓	↓	205	215	215	187	205
WATER MAKE-UP TANK LEVEL	↓	↓	Full	Full	Full	Full	Full
GAS METER READING			-	-	-	-	-
INITIAL:	JP	SP	JP	JP	SP	SP	SP
DATE:	8.14	8.15	8.16	8.17	8.18	8.19	8.20



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: 9.18.17 FINISH DATE: 9.25.17

ENGINE HOUR: 22365 ENGINE HOUR: 22491

Within 200 hrs or 1 week of next required oil & filter change? Yes No

****If yes, notify Maintenance Lead****

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		↑	515	407	407	392	398
SUCTION PRESSURE (psi)			116	109	107	107	110
ENGINE RPM'S			370	332	334	326	326
JACKET WATER PRESURE (psi)			27	24	22	21	23
JACKET WATER TEMP (°F)			166	167	166	167	167
HEAT EXCHANGER TEMP (°F)			135	128	140	140	140
INBOARD BEARING TEMP (°F)			115	121	119	121	121
OUTBOARD BEARING TEMP (°F)			123	147	143	153	148
FRONT AIR/FUEL PRESSURE (psi)			.893	.809	.810	.800	.810
REAR AIR/FUEL PRESSURE (psi)			.792	.796	.797	.787	.783
LUBE OIL LEVEL			3/8	3/8	3/8	3/8	3/8
OIL ADDED TO ENGINE (gal)			0	0	0	0	0
LUBE OIL ENG PRESS (psi)	↘	↘	68	60	59	59	63
GEAR BOX OIL PRESSURE (psi)	0	0	13	7	8	7	8
LUBE OIL FILTER	w	w	63	67	63	63	65
CONVERTER TEMP TC-1 (°F)	N	w	767	698	694	679	681
CONVERTER TEMP TC-2 (°F)			710	682	686	662	667
CYLINDER #1 (°F)			1022	970	977	966	967
CYLINDER #2 (°F)			1050	956	970	962	927
CYLINDER #3 (°F)			966	960	944	941	944
CYLINDER #4 (°F)			982	936	944	930	951
CYLINDER #5 (°F)			1025	958	966	952	967
CYLINDER #6 (°F)			1047	967	965	974	979
AIR PRESSURE (psi)			210	210	210	210	220
WATER MAKE-UP TANK LEVEL			Full	Full	Full	Full	Full
GAS METER READING		↓	-	-	-	-	-

INITIAL: JS SP SP SP SP SP SP

DATE: 9.18.17 9.19.17 9.20.17 9.21.17 9.22 9.23.17 9.24.17



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER

START DATE: _____ FINISH DATE: 10 29 17

ENGINE HOUR: _____ ENGINE HOUR: 22785

Within 200 hrs or 1 week of next required oil & filter change? Yes No

****If yes, notify Maintenance Lead****

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	421			517			513
SUCTION PRESSURE (psi)	106			111			111
ENGINE RPM'S	337	D	D	370			370
JACKET WATER PRESURE (psi)	21	D	D	27			27
JACKET WATER TEMP (°F)	168	D	D	179			179
HEAT EXCHANGER TEMP (°F)	138	D	D	140			144
INBOARD BEARING TEMP (°F)	116			126			126
OUTBOARD BEARING TEMP (°F)	140	D		152			153
FRONT AIR/FUEL PRESSURE (psi)	+954			+129			139
REAR AIR/FUEL PRESSURE (psi)	+779		W	+779			782
LUBE OIL LEVEL	3/8		W	3/8			3/8
OIL ADDED TO ENGINE (gal)	0			0	D	D	—
LUBE OIL ENG PRESS (psi)	58			60			60
GEAR BOX OIL PRESSURE (psi)	8			7	0	0	9
LUBE OIL FILTER	63		W	65			65
CONVERTER TEMP TC-1 (°F)	711			747	W	W	759
CONVERTER TEMP TC-2 (°F)	700			758			709
CYLINDER #1 (°F)	987			1032	N	N	759 1037
CYLINDER #2 (°F)	1022			1067			769 1069
CYLINDER #3 (°F)	937			970			944
CYLINDER #4 (°F)	941			998			1001
CYLINDER #5 (°F)	985			1017			1016
CYLINDER #6 (°F)	221			1040			1040
AIR PRESSURE (psi)	FULL			FULL 205			205
WATER MAKE-UP TANK LEVEL	—			FULL			FULL
GAS METER READING							—

INITIAL: DM DM JP SP SA SA SA

DATE: 10-23-17 10-24-17 10-25-17 10-26-17 10-27-17 10-28-17 10-29-17



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER							
START DATE: <u>11.13.17</u>				FINISH DATE: <u>11/20/17</u>			
ENGINE HOUR: <u>22857</u>				ENGINE HOUR: <u>22924</u>			
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No							
If yes, notify Maintenance Lead							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)				497	453		
SUCTION PRESSURE (psi)				111	111		
ENGINE RPM'S				370	349		
JACKET WATER PRESURE (psi)				26	25		
JACKET WATER TEMP (°F)				167	171		
HEAT EXCHANGER TEMP (°F)				135	138		
INBOARD BEARING TEMP (°F)				111.9	120.8		
OUTBOARD BEARING TEMP (°F)				120.5	147.5		
FRONT AIR/FUEL PRESSURE (psi)				r. 205	r. 221		
REAR AIR/FUEL PRESSURE (psi)				r. 776	r. 799		
LUBE OIL LEVEL				3/8	3/8		
OIL ADDED TO ENGINE (gal)	D	D	D	119.1	0	D	D
LUBE OIL ENG PRESS (psi)				67	60		
GEAR BOX OIL PRESSURE (psi)	0	0	0	13	7	0	0
LUBE OIL FILTER				65	64		
CONVERTER TEMP TC-1 (°F)	w	w	w	780	732	w	w
CONVERTER TEMP TC-2 (°F)				789	729		
CYLINDER #1 (°F)	w	w	w	1040	1008	w	w
CYLINDER #2 (°F)				1067	1050		
CYLINDER #3 (°F)				954	948		
CYLINDER #4 (°F)				995	976		
CYLINDER #5 (°F)				1025	997		
CYLINDER #6 (°F)				1057	1015		
AIR PRESSURE (psi)				215	215		
WATER MAKE-UP TANK LEVEL				Full	Full		
GAS METER READING				-	-		
INITIAL:	SA	SP	SP	JP	SP	SM	SP
DATE:	11.13	11.14	11.15	11.16	11.17	11.18	11.19



ENGINE DATA SHEET

LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

Enterprise G-3

A. ENGINE TIMER								
START DATE: <u>12-18-17</u>			FINISH DATE: <u>12-24-17</u>					
ENGINE HOUR: <u>23154</u>			ENGINE HOUR: <u>23238</u>					
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No								
If yes, notify Maintenance Lead								
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN	
DISCHARGE PRESSURE (psi)			406	448	458			
SUCTION PRESSURE (psi)			113	110	111			
ENGINE RPM'S			327	351	353			
JACKET WATER PRESURE (psi)			23	23	25			
JACKET WATER TEMP (°F)			155	148	168			
HEAT EXCHANGER TEMP (°F)			135	135	140			
INBOARD BEARING TEMP (°F)			92.7	113	118			
OUTBOARD BEARING TEMP (°F)			73.5	138	143			
FRONT AIR/FUEL PRESSURE (psi)			96.6	108.5	107.5			
REAR AIR/FUEL PRESSURE (psi)			74.2	55.6	73.8			
LUBE OIL LEVEL			3/8	3/8	3/8			
OIL ADDED TO ENGINE (gal)			15 gal		12			
LUBE OIL ENG PRESS (psi)			65	60	60			
GEAR BOX OIL PRESSURE (psi)			12	8	9			
LUBE OIL FILTER			67	63	64			
CONVERTER TEMP TC-1 (°F)			670	738	727			
CONVERTER TEMP TC-2 (°F)			668	729	726			
CYLINDER #1 (°F)			982	1016	1011			
CYLINDER #2 (°F)			1007	1015	1030			
CYLINDER #3 (°F)			933	967	964			
CYLINDER #4 (°F)			956	993	979			
CYLINDER #5 (°F)			972	1004	1005			
CYLINDER #6 (°F)			987	1076	1015			
AIR PRESSURE (psi)			210	205	210			
WATER MAKE-UP TANK LEVEL			Full	Full	Full			
GAS METER READING			-	-	-			
INITIAL:	SP	SP	SP	SP	SP	SP	SP	SP
DATE:	12-18	12-19	12-20	12-21	12-22	12-23	12-24	

**CRIMSON PIPELINE, L.P.
ENGINE SERVICE REPORT**

TYPE OF SERVICE REPAIR

DATE 1/10/17

APCD PERMIT NUMBER 0082

LOCATION Ventura Station

MAKE Enterprise (G-3)

MODEL GSG-6

TYPE Natural Gas

ENGINE HOURS 19789

OPERATIONS PERFORMED

REPLACED SPARK PLUGS IN #1 AND #2 CYLINDERS,
(HIGH CAT. TEMP.)

MECHANIC



DATE WORK COMPLETED

1/10/17



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise GSG-6
 G-2 Enterprise GSG-6
 G-3 Enterprise GSG-6
 G-1 Caterpillar G-379

TYPE: Natural Gas

ENGINE HOURS: 21209

TYPE OF SERVICE: Repair

B. MAINTENANCE/SERVICE PERFORMED

VALVE SPRING ON NUMBER 3 CYLINDER REPLACED

INSPECTED BY:

[Signature]

DATE:

5/12/17



ENGINE SERVICE REPORT

LOCATION: Torrey #00385

Ventura Harbor #00082

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise GSG-6

TYPE: Natural Gas

G-2 Enterprise GSG-6

ENGINE HOURS: 21535

G-3 Enterprise GSG-6

TYPE OF SERVICE: REPAIR

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED WATER PUMP SEALS IN BOTH PUMPS

INSPECTED BY

Joe F. Olms

DATE:

6/13/17



ENGINE SERVICE REPORT

LOCATION: Torrey #00385

Ventura Harbor #00082

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise GSG-6

TYPE: Natural Gas

G-2 Enterprise GSG-6

ENGINE HOURS: 21616

G-3 Enterprise GSG-6

TYPE OF SERVICE: REPAIR

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED SPARK PLUGS, WIRES AS NEEDED
AND BOTH O₂ SENSORS

INSPECTED BY:

Joe Oliver

DATE:

JUNE 24, 2017



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise GSG-6 TYPE: Natural Gas
 G-2 Enterprise GSG-6 ENGINE HOURS: 22221
 G-3 Enterprise GSG-6 TYPE OF SERVICE: Service
 G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED AIR FILTER
O₂ SENSORS - LOW OUTPUT
NUMBER 2 CYLINDER SPARE PLUGS

INSPECTED BY:

[Signature]

DATE:

8/22/17



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise GSG-6 TYPE: Natural Gas
 G-2 Enterprise GSG-6 ENGINE HOURS: 22675
 G-3 Enterprise GSG-6 TYPE OF SERVICE: REPAIR
 G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

NUMBER 3 CYLINDER HEAD & HEAD GASKET

INSPECTED BY: [Signature]

DATE: 10/13/17



ENGINE HOUR REPORT

40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385

Inspection Interval: 2,160 hrs / annually

Ventura Harbor #00082

Inspection Interval: 1,440 hrs / annually

A. ENGINE INFORMATION

ENGINE: G-1 Enterprise G-SG6

DATE: 2/3/17

G-2 Enterprise G-SG6

ENGINE HOURS: 7532

G-3 Enterprise G-SG6

NEXT INSPECTION HOURS: 8972

G-1 Caterpillar G-379

OR ANNUALLY ON: 2/3/18

TYPE: Natural Gas

(whichever comes first)

B. INSPECTION

1. ENGINE OIL

Oil Analysis Sample: Good Changed

Filter: Good Changed

Comments: OIL & FILTERS CHANGED DUE TO ANNUAL
INSPECTION

2. SPARK PLUGS

Good Replaced

Comments: _____

3. HOSES AND BELTS

Good Replaced

Comments: _____

INSPECTED BY:

Joe F. Oliver

DATE:

2/3/17



ENGINE HOUR REPORT
40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385

Inspection Interval: 2,160 hrs / annually

Ventura Harbor #00082

Inspection Interval: 1,440 hrs / annually

A. ENGINE INFORMATION	
ENGINE: <input type="checkbox"/> G-1 Enterprise G-SG6	DATE: <u>2/13/17</u>
<input type="checkbox"/> G-2 Enterprise G-SG6	ENGINE HOURS: <u>20302</u>
<input checked="" type="checkbox"/> G-3 Enterprise G-SG6	NEXT INSPECTION HOURS: <u>21742</u>
<input type="checkbox"/> G-1 Caterpillar G-379	OR ANNUALLY ON: <u>2/13/18</u>
TYPE: Natural Gas	(whichever comes first)
B. INSPECTION	
1. ENGINE OIL	
Oil Analysis Sample: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Filter: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Comments:	
2. SPARK PLUGS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments:	
3. HOSES AND BELTS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments:	

INSPECTED BY

J. F. Oliver

DATE:

2/13/17



ENGINE HOUR REPORT
40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385
Inspection Interval: 2,160 hrs / annually
 Ventura Harbor #00082
Inspection Interval: 1,440 hrs / annually

A. ENGINE INFORMATION	
ENGINE: <input type="checkbox"/> G-1 Enterprise G-SG6	DATE: <u>6/29/17</u>
<input type="checkbox"/> G-2 Enterprise G-SG6	ENGINE HOURS: <u>21722</u>
<input checked="" type="checkbox"/> G-3 Enterprise G-SG6	NEXT INSPECTION HOURS: <u>23162</u>
<input type="checkbox"/> G-1 Caterpillar G-379	OR ANNUALLY ON: <u>7/29/18</u>
TYPE: Natural Gas	(whichever comes first)
B. INSPECTION	
1. ENGINE OIL	
Oil Analysis Sample: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Filter: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Comments:	
2. SPARK PLUGS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments:	
3. HOSES AND BELTS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments:	

INSPECTED BY: Joe Oliver

DATE: 6/29/17




ENGINE HOUR REPORT
40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385
Inspection Interval: 2,160 hrs / annually
 Ventura Harbor #00082
Inspection Interval: 1,440 hrs / annually

A. ENGINE INFORMATION	
ENGINE: <input type="checkbox"/> G-1 Enterprise G-SG6	DATE: <u>12/3/17</u>
<input type="checkbox"/> G-2 Enterprise G-SG6	ENGINE HOURS: <u>23020</u>
<input checked="" type="checkbox"/> G-3 Enterprise G-SG6	NEXT INSPECTION HOURS: <u>24520</u>
<input type="checkbox"/> G-1 Caterpillar G-379	OR ANNUALLY ON: <u>12/3/18</u>
TYPE: Natural Gas	(whichever comes first)
B. INSPECTION	
1. ENGINE OIL	
Oil Analysis Sample: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Filter: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Changed	
Comments: _____	

2. SPARK PLUGS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments: _____	

3. HOSES AND BELTS <input checked="" type="checkbox"/> Good <input type="checkbox"/> Replaced	
Comments: _____	

INSPECTED BY: 

DATE: 12/3/17

Attachment P00386PC1

Monthly Throughput and Facility Fuel Consumption

VENTURA HARBOR STATION 2017

<u>MONTH</u>	<u>*FUEL</u> (CUBIC FEET)	<u>BBLs.</u> (TANK THROUGHPUT)	<u>SOLVENT</u> (GALLONS)	<u>**PAINT</u> (GALLONS)
Jan-17	950,700	197,154	0	0
Feb-17	722,600	150,702	0	0
Mar-17	918,900	206,655	0	0
Apr-17	671,600	162,979	0	0
May-17	585,000	150,791	0	0
Jun-17	715,100	191,214	0	0
Jul-17	543,800	181,703	0	0
Aug-17	546,600	181,438	0	0
Sep-17	531,600	175,343	0	0
Oct-17	601,600	176,157	0	0
Nov-17	468,400	121,611	0	0
Dec-17	513,600	137,593	0	0
TOTAL	7,769,500	2,033,340	0	0

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

**CRIMSON PIPELINE LLC IC ENGINES
FUEL USAGE
HARBOR STATION
PERMIT NUMBER 0082**

VENTURA HARBOR STATION ANNUAL ROLLING FUEL 2017

Month	AVG#1	AVG#2	AVG#3	AVG#4	AVG#5	AVG#6	AVG#7	AVG#8	AVG#9	AVG#10	AVG#11	AVG#12
Feb-16	813,400											
Mar-16	837,100	837,100										
Apr-16	712,100	712,100	712,100									
May-16	759,800	759,800	759,800	759,800								
Jun-16	701,600	701,600	701,600	701,600	701,600							
Jul-16	653,900	653,900	653,900	653,900	653,900	653,900						
Aug-16	603,200	603,200	603,200	603,200	603,200	603,200	603,200					
Sep-16	576,100	576,100	576,100	576,100	576,100	576,100	576,100	576,100				
Oct-16	528,100	528,100	528,100	528,100	528,100	528,100	528,100	528,100	528,100			
Nov-16	684,300	684,300	684,300	684,300	684,300	684,300	684,300	684,300	684,300	684,300		
Dec-16	880,300	880,300	880,300	880,300	880,300	880,300	880,300	880,300	880,300	880,300	880,300	
Jan-17	950,700	950,700	950,700	950,700	950,700	950,700	950,700	950,700	950,700	950,700	950,700	950,700
Feb-17		722,600	722,600	722,600	722,600	722,600	722,600	722,600	722,600	722,600	722,600	722,600
Mar-17			918,900	918,900	918,900	918,900	918,900	918,900	918,900	918,900	918,900	918,900
Apr-17				671,600	671,600	671,600	671,600	671,600	671,600	671,600	671,600	671,600
May-17					585,000	585,000	585,000	585,000	585,000	585,000	585,000	585,000
Jun-17						715,100	715,100	715,100	715,100	715,100	715,100	715,100
Jul-17							543,800	543,800	543,800	543,800	543,800	543,800
Aug-17								546,600	546,600	546,600	546,600	546,600
Sep-17									531,600	531,600	531,600	531,600
Oct-17										601,600	601,600	601,600
Nov-17											468,400	468,400
Dec-17												513,600
CF/year	725,050	717,483	724,300	720,925	706,358	707,483	698,308	693,592	689,883	696,008	678,017	647,458

Attachment Number 50

**Opacity Observation/Fugitive Emission Inspection
Logs**



WEEKLY FUGITIVE EMISSION INSPECTION LOG

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N
INITIAL:	JP	JP	JP	JP	JP	JP	JP
DATE:	2-6	2-7	2-8	2-9	2-10-17	2-11-17	2-12-17
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2-7-17	8:00	JP		
C. COMMENTS							



WEEKLY FUGITIVE EMISSION INSPECTION LOG

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N
STATION VISUAL	OK	OK	OK	OK	OK	OK	OK
INITIAL:	SP	SP	SP	SP	SP	SP	SP
DATE:	3-20	3-21	3-22	3-23	3-24	3-25	3-26
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	3-20-17	0645	SP		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N
INITIAL:	ST	SP	SP	SP	DM	JO	ST
DATE:	4-17	4-18	4-19	4-20	4-21	4-22	4-23
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	4-18	8:00	ST		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	X	X	X	X	X	N	X
G-3 PUMP SEAL	X	X	X	X	X	N	X
STATION VALVES	X	X	X	X	X	N	X
TANK VALVES	X	X	X	X	X	N	X
SUMP	X	X	X	X	X	N	X
BOOSTER SEAL	X	X	X	X	X	N	X
MIXER SEAL	X	X	X	X	X	N	X
PIG LAUNCHER	X	X	X	X	X	N	X
INITIAL:	JP	JP	JP	JP	JP	JP	JP
DATE:	6.5	6.6	6.7	6.8	6.9	6.10	6.11
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	6.5.17	8:45	JP		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION								
If any component is leaking, minimize leak, notify Supervisor								
	DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)							
G-1 PUMP SEAL	N	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N	N
INITIAL:	JP	JP	SP	SP	SP	SP	SP	SP
DATE:	7-17-17	7-18-17	7-19-17	7-20-17	7-21-17	7-22-17	7-23-17	
B. OPACITY CHECK								
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL			
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N						
Enterprise G-3	<input type="checkbox"/> Y	<input type="checkbox"/> N						
C. COMMENTS								



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N
INITIAL:	SS	SP	SP	SP	SP	SP	SP
DATE:	5-15-17	5-16-17	5-17-17	5-18-17	5-19-17	5-20-17	5-21-17
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	5-15-17	0800	SS		
C. COMMENTS							
1) Both water pumps ARE leaking.							
2) Lubric oil leaking.							



WEEKLY FUGITIVE EMISSION INSPECTION LOG

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION								
If any component is leaking, minimize leak, notify Supervisor								
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN	
COMPONENT	LEAKING (Y/N)							
G-1 PUMP SEAL	N	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N	N
INITIAL:	SP	SP	SP	SP	SP	SP	SP	SP
DATE:	8-14-17	8-15-17	8-16-17	8-17-17	8-18-17	8-19	8-20	
B. OPACITY CHECK								
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL			
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N						
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	8-18-16	6:30 7:00	SA SP			
C. COMMENTS								



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
BOOSTER SEAL	N	N	N	N	N	N	N
MIXER SEAL	N	N	N	N	N	N	N
PIG LAUNCHER	N	N	N	N	N	N	N
INITIAL:	SP	JP	SP	SP	SP	SP	SP
DATE:	9-18-17	9-19-17	9-20-17	9-21-17	9-22-17	9-23-17	9-24-17
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	9-20-17	12:00	SP		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Ventura Harbor #00082

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N		N	N	N	N	N
G-3 PUMP SEAL	N		N	N	N	N	N
STATION VALVES	N		N	N	N	N	N
TANK VALVES	N		N	N	N	N	N
SUMP	N		N	N	N	N	N
BOOSTER SEAL	N		N	N	N	N	N
MIXER SEAL	N		N	N	N	N	N
PIG LAUNCHER	N		N	N	N	N	N
INITIAL:	DM	DM	SP	SP	SP	SP	SP
DATE:	10-23-17	10-24-17	10-25-17	10-26-17	10-27-17	10-28-17	10-29-17
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Caterpillar G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-3	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	10-23-17	6:30	DM		
C. COMMENTS							

HARBOR STATION WEEKLY FUGITIVE EMISSION LOG

DAY	SUN	MON	TUES	WED	THUR	FRI	SAT
DATE 11/12/17 - 11/17/17	11-12	11-13	11-14	11-15	11-16	11-17	11-18
TIME		6:15	6:20	6:20	6:15	6:00	3:15
COMPONENT DESCRIPTION	INSPECTION						
G 1 PUMP - HOURS							
G 1 PUMP SEAL	OK	OK	OK	OK	OK	OK	OK
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	OK
G 1 OPACITY TIME	-	-	-	-	-	-	-
ANY VISUAL EMISSIONS	N	N	OK	OK	OK	-	-
G 3 PUMP - HOURS							
G 3 PUMP SEAL	OK	OK	OK	OK	OK	OK	OK
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	OK
G 3 OPACITY TIME	-	-	-	22885	22885	22901	-
ANY VISUAL EMISSIONS	N	N	N	N	N	N	-
BOOSTER PUMP - HOURS							
BOOSTER PUMP SEAL	OK	OK	OK	OK	OK	OK	OK
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	OK
STATION VISUAL CHECK							
PUMP HOUSE	OK	OK	OK	OK	OK	OK	OK
PERIMETER	OK	OK	OK	OK	OK	OK	OK
305 TANK MIXER SEAL	OK	OK	OK	OK	OK	OK	OK
305 MIXER SEAL FAIL POT	OK	OK	OK	OK	OK	OK	OK
STATION PIPING	OK	OK	OK	OK	OK	OK	OK
PIG LAUNCH	OK	OK	OK	OK	OK	OK	OK
PIG RECEIVER	OK	OK	OK	OK	OK	OK	OK
STATION SUMP	OK	OK	OK	OK	OK	OK	OK
INSPECTOR INITIALS	ST	SP	SP	JP	SP	SP	SN
REMARKS:							

DAY	SUN	MON	TUES	WED	THUR	FRI	SAT
DATE	12/17/17	12/18	12/19	12/20	12/21	12/22	12/23
TIME	1300	0930	6:15	7:30	6:00	1000	
COMPONENT DESCRIPTION	INSPECTION						
G 1 PUMP - HOURS	-			-	-	-	
G 1 PUMP SEAL	OK	OK	OK	OK	OK	OK	
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	D
G 1 OPACITY TIME	-			-	-	-	
ANY VISUAL EMISSIONS	-			-	-	-	U
G 3 PUMP - HOURS	23154			23168	23191	23217	
G 3 PUMP SEAL	OK	OK	OK	OK	OK	OK	U
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	
G 3 OPACITY TIME	-				-	-	
ANY VISUAL EMISSIONS	-			N	OK	N	N
BOOSTER PUMP - HOURS	7328			7342	7365	7392	
BOOSTER PUMP SEAL	OK	OK	OK	OK	OK	OK	
PUMP SEAL FAIL POT LEVEL	OK	OK	OK	OK	OK	OK	
STATION VISUAL CHECK							
PUMP HOUSE	OK	OK	OK	OK	OK	OK	OK
PERIMETER	OK	OK	OK	OK	OK	OK	OK
305 TANK MIXER SEAL	OK	OK	OK	OK	OK	OK	OK
305 MIXER SEAL FAIL POT	OK	OK	OK	OK	OK	OK	OK
STATION PIPING	OK	OK	OK	OK	OK	OK	OK
PIG LAUNCH	OK	OK	OK	OK	OK	OK	OK
PIG RECEIVER	OK	OK	OK	OK	OK	OK	OK
STATION SUMP	OK	OK	OK	OK	OK	OK	OK
INSPECTOR INITIALS	JD	ST	SP	SP	SP	ST	SP
REMARKS:							