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November 9th, 2020

Keith Macias
Compliance Manager
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

Via Certified Mail
Tracking No. 7019228000183126967

**Subject: 2020 Title V Annual Compliance Certification
Torrey Station Permit No. 00385**

Dear Mr. Macias:

Enclosed is the Title V Annual Compliance Certification Report for Crimson California Pipeline, L.P.'s Torrey Station Permit Number 00385. The reporting period covered by this compliance certification is October 1st, 2019 through September 30th, 2020.

Should you have any questions, please feel free to contact me any time at 562-285-4040.

Respectfully,

Valerie Muller

Valerie Muller
Environmental Specialist

Enclosure: Torrey Station #00385 Title V Annual Compliance Certification

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



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.

Signature and Title of Responsible Official:  Title: Vice President Engineering and Regulatory Compliance	Date: 11/2/2020
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Time Period Covered by Compliance Certification <u>10</u> / <u>01</u> / <u>19</u> (MM/DD/YY) to <u>09</u> / <u>30</u> / <u>20</u> (MM/DD/YY)

Permit Attachment Form



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 71.2.N.3, Rules 71.2.B.4, 71.2.C.1, 71.2.D</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: External floating roof crude oil storage tank ≥ 40,000 gallons Rules 71.2.B.4, 71.2.C.1, 71.2.D, 71.2.E</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: Primary and secondary seals were inspected 5/29/2020.</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 #: Attachment 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 12/18/2019, 3/18/2020, 6/3/2020, and 8/12/2020. The integrity of the cover has been verified.</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 #: Attachment No. 74.9N3, Rule 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 inspections were conducted as follows: - Q4 2019 on 10/22/19 for both G-1 and G-2 engines. - Q1 2020 on 3/11/20 for G-1 only; G-2 operated <32 hours in each month of Q1. - Q2 2020 on 6/24 for G-2; G-1 broke down and no monitoring occurred in Q2. - Q3 2020 on 9/22/20 for G-2; G-1 operated <32 hours in each month of Q3. The last biennial source test was performed on 4/11/19 (G-1) and 9/5/19 (G-2).</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>I</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>Y</u> *If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 40 CFR 63ZZZN7</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: RICE MACT for non-emergency spark-ignited engines > 500 HP in remote area - oil change and inspection.</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></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. P00385PC1, Cond. No. 1, Rule 29</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Monthly records of throughput at tanks and facility fuel consumption.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Weekly log sheets compiled by operations, reviewed monthly to verify 10,500,000 BBL annual limit on 80,000 BBLs tank, and combined fuel use limit of 86.6 MMCF/yr for two Enterprise Natural Gas-Fired Rich Burn engines.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. P00385PC1, Cond. No. 2, Rule 29</p>	<p>D. Frequency of monitoring: Quarterly</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: Verification of equipment set-up at quarterly testing; verification of fuel use log. PUC natural gas is the only fuel source physically available for the operation of these engines.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>



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Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. PO0385PC1, Cond. No. 3, Rule 29</p> <p>B. Description: Records of solvent use for cleaning activities shall be maintained.</p>	<p>D. Frequency of monitoring: Monthly</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 monthly record keeping and review of non-exempt solvent use for wipe cleaning. No solvent use during reporting period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 #: Attachment No. 50, Rule 50</p> <p>B. Description: Opacity observations at the facility.</p>	<p>D. Frequency of monitoring: Weekly</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: Opacity surveillance and visual inspections of emissions are conducted weekly at the facility. A sample of the formal survey logs is attached.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 #: Attachment No. 54.B.1, Rule 54.B.1</p> <p>B. Description: Sulfur emissions from combustion operations at point of discharge; follow monitoring requirements under Rule 64.</p>	<p>D. Frequency of monitoring: N/A</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 is combusted at the facility. No additional periodic monitoring is required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>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 #: Attachment No. 54.B.2, Rule 54.B.2</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Sulfur dioxide concentration at ground level.</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 is 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 #: Attachment 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 EPA Method 9</p>
<p>C. Method of monitoring: All applicable sources of dust at this stationary source are operating in compliance with Rule 55.</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 #: Attachment No. 57.1, Rule 57.1</p>	<p>D. Frequency of monitoring: N/A</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 District Analysis dated December 3, 1997.</p>
<p>C. Method of monitoring: The facility is in compliance based on Rule 57.B District Analysis dated December 3, 1997.</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 #: Attachment No. 64.B.1, Rules 64.B.1, 54</p>	<p>D. Frequency of monitoring: N/A</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 ins combusted at this facility. No periodic monitoring is 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 #: Attachment No. 74.6, Rule 74.6</p>	<p>D. Frequency of monitoring: N/A</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: Facility monthly record keeping and review of non-exempt (non-acetone) solvent use for wipe cleaning of tank hatch seals. The solvent use during the reporting period was zero gallons.</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 #: Attachment No. 74.10, Rule 74.10</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Leaking component inspections at crude oil and natural gas production and processing facilities.</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 inspections of all components for fugitive emissions were conducted and reported on 12/18/2019, 3/18/2020, 6/3/2020, and 8/12/2020. Annual inspection of pressure relief valves. Daily inspections conducted and logged. Operator Management Plan will be updated by January 30th of each year, if necessary.</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: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 74.11.1, Rule 74.11.1</p>	<p>D. Frequency of monitoring: N/A</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: The 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 #: Attachment No. 74.22, Rule 74.22</p>	<p>D. Frequency of monitoring: Annual</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: Annual review of facilities by management confirms that facility does not have equipment subject to this regulation.</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 #: Attachment No. 74.1, Rule 74.1</p>	<p>D. Frequency of monitoring: N/A</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: The facility did not conduct any abrasive blasting activities during the covered 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 #: Attachment No. 74.2, Rule 74.2</p>	<p>D. Frequency of monitoring: Monthly</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: Documentation of VOC content and usage of architectural coatings is maintained for the facility and updated monthly. No architectural coatings were used at the facility during the reporting 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 #: Attachment No. 74.4.D, Rule 74.4.D</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Use of cutback asphalts - road oils.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Annual review of facility and compliance certifications. No use of asphalt products occurred for this 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 #: Attachment No. 74.26, Rule 74.26</p>	<p>D. Frequency of monitoring: N/A</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 the covered 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 #: Attachment No. 74.29N3, Rule 74.29</p>	<p>D. Frequency of monitoring: N/A</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 the covered time 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 #: 40 CFR 61.M</p>	<p>D. Frequency of monitoring: N/A</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 the covered 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>



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 10 / 1 / 19 (MM/DD/YY) to 9 / 30 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment No. 74.9N3, Rule 74.9.B.1 and B.2	B. Equipment description: Stationary natural gas fired - rich-burn internal combustion engine quarterly inspections and biennial source test.	C. Deviation Period: Date & Time Begin: <u>6/30/2020, 11:59pm</u> End: <u>TBD</u> When Discovered: Date & Time <u>5/8/2020, 8am</u>
D. Parameters monitored: Quarterly monitoring	E. Limit: Yes	F. Actual: No
G. Probable Cause of Deviation: Engine broke down on 5/8/2020 and could not be tested before the end of the quarter on 6/30/2020.		H. Corrective actions taken: Replacement parts were ordered and are scheduled to be installed in time for the Q4 monitoring date in December.

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time Begin: _____ End: _____ When Discovered: Date & Time _____
D. Parameters monitored:	E. Limit:	F. Actual:
G. Probable Cause of Deviation:		H. Corrective actions taken:

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time Begin: _____ End: _____ When Discovered: Date & Time _____
D. Parameters monitored:	E. Limit:	F. Actual:
G. Probable Cause of Deviation:		H. Corrective actions taken:

Source Test Summary Form



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 3,047 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 10/22/2019

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 19.5 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 10/22/2019

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: 2,878 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 10/22/2019

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: 8.6 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 10/22/2019

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:



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 3,309ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 3/11/2020

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 13.5 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 3/11/2020

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

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:



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: Engine was broken down, no monitoring occurred.	D. Limited Emission Rate: 4,500 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NO _x
C. Measured Emission Rate: Engine was broken down, no monitoring occurred.	D. Limited Emission Rate: 25 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: 3,201 ppmv @ 15% O ₂	D. Limited Emission Rate: 4,500 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/24/2020

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NO _x
C. Measured Emission Rate: 20.3 ppmv @ 15% O ₂	D. Limited Emission Rate: 25 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/24/2020

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:



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 19 (MM/DD/YY) to 09 / 30 / 20 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: N/A

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: 3,814 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/22/2020

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: 20.6 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/22/2020

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 74.9N3

**Quarterly Emissions Screenings /
Biennial Source Test**



SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-1

10/22/2019

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	69.1	-
ppmv @ 15% O2	19.5	25
Carbon Monoxide (CO)		
ppmv	10794	-
ppmv @ 15% O2	3047	4500
Oxygen (O2),	percent	
		0.0
Opacity, %		0.0
		<10%

Note: Reported values represent a 15 minute average.



SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-2

10/22/2019

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	30.3	-
ppmv @ 15% O2	8.6	25
Carbon Monoxide (CO)		
ppmv	10181	-
ppmv @ 15% O2	2878	4500
Oxygen (O2), percent	0.0	-
Opacity, %	0.0	10%

Note: Reported values represent a 15 minute average.

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-1

3/11/2020

		<i>Allowable</i>
Oxides of Nitrogen (NO_x)		
ppmv	<i>47.7</i>	-
ppmv @ 15% O ₂	<i>13.5</i>	<i>25</i>
 Carbon Monoxide (CO)		
ppmv	<i>11692</i>	-
ppmv @ 15% O ₂	<i>3309</i>	<i>4500</i>
 Oxygen (O₂), percent	 <i>0.05</i>	 -

Note: Reported values represent a 15 minute average.



May 6, 2020

Ed Swede
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**SUBJECT: 2020 First Quarter Emissions Testing Exemption
520 HP Enterprise NG Rich Burn Engine (S/N 55004)
Torrey Station (Facility ID: 00385)**

Dear Mr. Swede:

For the first quarter of 2020, the following equipment was exempt from Rule 74.9.B.5 quarterly emission testing requirements:

- 520 HP Enterprise NG Rich Burn Engine (S/N 55004), Torrey Station #00385

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 engine during the applicable quarter are as follows:

MONTH	HOURS
January	0
February	0
March	0

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

Respectfully,

Valerie Muller

Valerie Muller
Environmental Specialist



SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-2

6/24/2020

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	72.0	-
ppmv @ 15% O2	20.3	25
Carbon Monoxide (CO)		
ppmv	11338	-
ppmv @ 15% O2	3201	4500
Oxygen (O2),	percent	
	0.0	-

Note: Reported values represent a 15 minute average.



November 10, 2020

Ed Swede
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**SUBJECT: 2020 Third Quarter Emissions Testing Exemption
520 HP Enterprise NG Rich Burn Engine (S/N 55003)
Torrey Station (Facility ID: 00385)**

Dear Mr. Swede:

For the third quarter of 2020, the following equipment was exempt from Rule 74.9.B.5 quarterly emission testing requirements:

- 520 HP Enterprise NG Rich Burn Engine (S/N 55003), Torrey Station #00385

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 engine during the applicable quarter are as follows:

MONTH	HOURS
July	0
August	0
September	0

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

Respectfully,

Valerie Muller

Valerie Muller
Environmental Specialist



SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-2

9/22/2020

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	72.9	-
ppmv @ 15% O2	20.6	25
Carbon Monoxide (CO)		
ppmv	13475	-
ppmv @ 15% O2	3814	4500
Oxygen (O2),		
percent	0.1	-

Note: Reported values represent a 15 minute average.

Attachment 71.2N3

Annual Tank Seal Inspection Report

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. 80702 Permit No. 00385 Inspection Date 5/29/2020 Time 8:30am
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 Torrey Canyon Road City Piru Zip _____
Mailing Address 210 North 12th Street City Santa Paula Zip 93060
Contact Person Matt Smalley Title Project Manager
Phone 714-743-8037

B. **INSPECTION CONDUCTED BY:**

Name Miguel Lazalde Title Inspector
Company Name Beacon Energy Services, Inc. Phone 562-997-3087
Mailing Address 2685 Temple Ave City Signal Hill Zip 90755

C. **TANK INFORMATION:**

Capacity 80,000bbls Installation Date 1934 Diameter 110' Ht. 48'
Product Type Crude Product RVP _____
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 70 Degrees F Product Level 7' - 1"
3) List type and location of leaks found in tank shell. None

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 found in seal fabric
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. 80702 Permit No. 00387

G. FROM GAUGER PLATFORM:

1) Observe the entire floating roof:

Is the roof badly warped or buckled? No Yes NA

Is there any obvious damage? No Yes NA

2) Are there liquid hydrocarbons on the roof? No Yes NA

3) Is there water ponding on the roof? No Yes NA

Occasionally pools of water are usually a result of inadequate slope for damage 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 Yes NA

H. SEAL INSPECTION:

1) Secondary Seal Inspection

a) Type of Secondary Seal: Single Wiper

b) Does 1/2" probe drop past seal? No Yes If yes, measure length(s) and show on diagram

c) Does 1/8" probe drop past seal? No Yes If yes, measure length(s) and show on diagram

d) Record dimensions for gaps > 1/8" 0 > 1/2" 0

*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 Yes If yes, measure length(s) and show on diagram

c) (shoe seal) does 1/2" probe drop past seal? No Yes If yes, measure length(s) and show on diagram

NA d) (tube seal) does 1/2" probe drop past seal? No Yes If yes, measure length(s) and show on diagram

e) (all seal types) does 1/8" probe drop past seal? No Yes If yes, measure length(s) and show on diagram

f) Record dimensions of gaps for gaps > 1/8" 0 > 1/2" 0 > 1-1/2" 0

*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. 80702 Permit No. 00387

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>17.27</u>	60% Circ. = Diameter X 1.88 =	<u>206.8</u>
10% Circumference = Diameter X 0.314 =	<u>34.54</u>	90% Circ. = Diameter X 2.83 =	<u>311.3</u>
30% Circumference = Diameter X 0.942 =	<u>103.62</u>	95% Circ = Diameter X 2.98 =	<u>327.8</u>

J. 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 the shell and seal? No Yes
 - Did cumulative 1/8" - 1/2" gap exceed 5% of the tank circumference length? No Yes
- 5) Primary Seal:
 - Shoe
 - Did 1-1/2" probe drop between the shell and seal? No Yes
 - Did cumulative 1/2" - 1-1/2" gap exceed 10% circumference length? No Yes
 - Did cumulative 1/8" - 1/2" gap exceed 40% circumference length? No Yes
 - Did any single continuous 1/8" - 1-1/2" gap exceed 10% circumference length? No Yes
 - Tube
 - Did 1/2" probe drop between the shell and seal? No Yes NA
 - Did cumulative 1/8" - 1/2" gap exceed 95% circumference length? No Yes NA

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

- 7) Does tank have permit conditions? No Yes
- Does tank comply with these conditions? No Yes

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

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
RULE 71.2 INSPECTION REPORT

Tank No. 80702 Permit No. 00387

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.

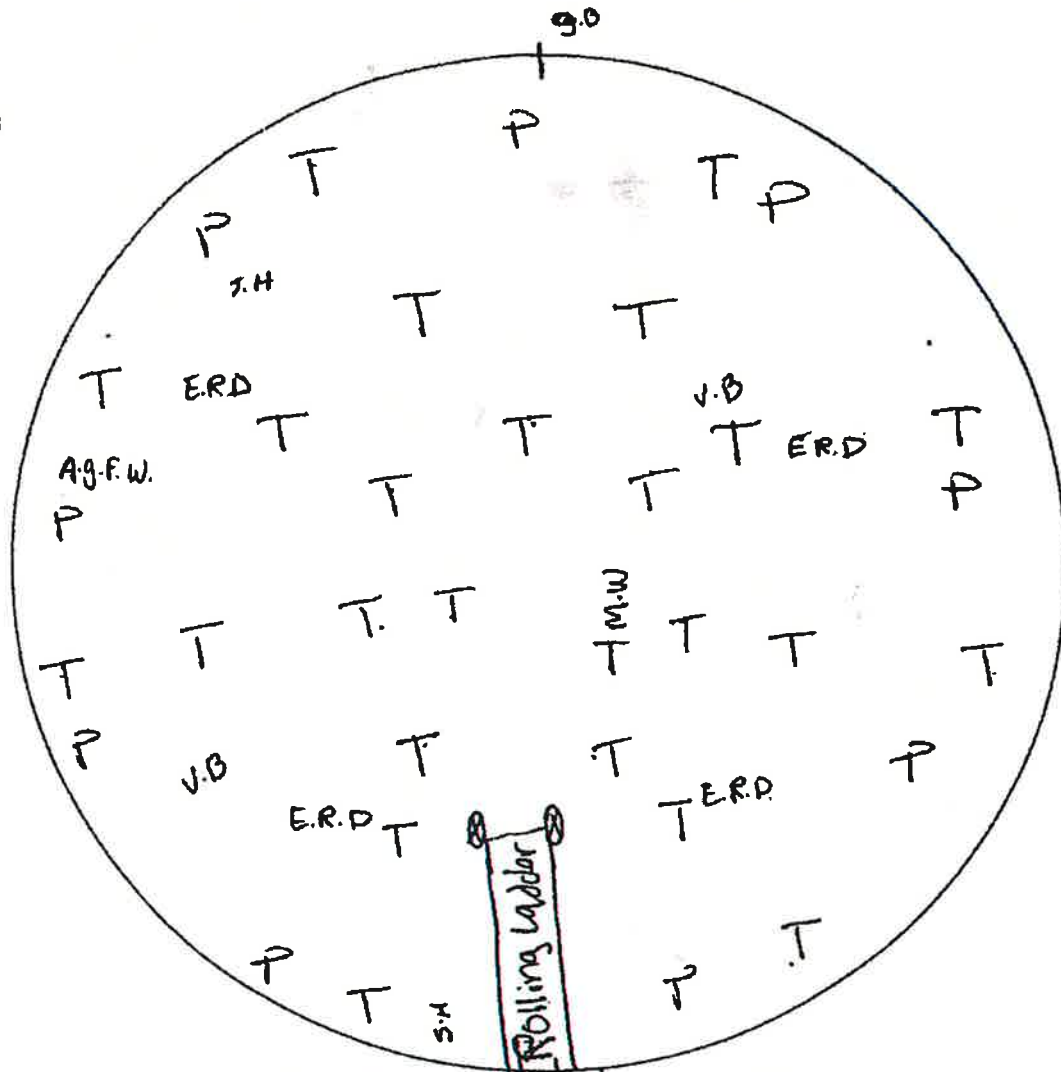
TANK IS IN COMPLIANCE AT THIS TIME

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

Inspection completed by	<u>Miguel Lazalde</u> <u>MIGUEL LAZALDE</u> Cert ID	<u>ML001</u>	Date	<u>5/29/2020</u>
signature				
Compliance status by	<u>Robert Hoppenrath</u> <u>[Signature]</u> Cert ID	<u>RH003</u>	Date	<u>5/29/2020</u>
signature				
Company Representative	<u>Matt Smalley</u> <u>[Signature]</u> Cert ID		Date	<u>08/24/2020</u>
signature				

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.

TANK NUMBER	80702	Total Primary Gaps (In)	0	Total Secondary Gaps (In)	0
-------------	-------	-------------------------	---	---------------------------	---



DEFECTS	
(-P-)	Primary Seal Gap
(-S-)	Secondary Seal Gap
⊕	Roof Drain
⊗	Tear in Seal or Fabnc
MW	MANWAY

V.B VACUM Breaker
 S.H SAMPLE Hatch
 V.B guide BAR

INSPECTOR BY Miguel Luyalde

TANK EQUIPMENT	
∞	Pressure Vacuum Vent
H	Hatch
GP	Guide Pole
	Ladder
T	Leg Stand

*Please show equipment on map above
 A.G.F.W AUTO gauge FLoat Well
 E.R.D EMergy Roof Drain

SIGNATURE

Attachment 71.4N1

Rule 74.10 Quarterly Component Leak Report



Ventura County APCD
Rule 74.10 Component Leak Report

Q4/2019

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA 93040

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 12/18/2019**



Ventura County APCD
Rule 74.10 Component Leak Report

Q1/2020

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA 93040

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 03/18/2020**



Ventura County APCD
Rule 74.10 Component Leak Report

Q2/2020

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA 93040

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 06/03/2020**



Ventura County APCD
Rule 74.10 Component Leak Report

Q3/2020

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA 93040

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 08/12/2020**

Attachment P00386PC1

Monthly Throughput and Facility Fuel Consumption



TORREY STATION FUEL USE & SEALS IN OPERATION 2019

MONTH	FUEL (CUBIC FEET)		YEAR %	FUEL (CUBIC FEET)		YEAR %	FUEL USE (CUBIC FEET)		BBL'S. TANK THROUGHPUT	HOURS		HOURS YEAR %	HOURS G2	HOURS YEAR %	HOURS G1	HOURS YEAR %	HOURS TOTAL	SOLVENT (GALLONS)	**PAINT (GALLONS)	SEALS IN OP YEAR %	BBL'S. TANK THROUGHPUT	1000 GAL THROUGHPUT YEAR %	1000 GAL THROUGHPUT YEAR
	G1	G2		G2	TOTAL		G1	G2		TOTAL	TOTAL												
JAN	1,250,700	0	11.65%	0	1,250,700	0.00%	1,250,700	303,740	402	8.84%	0	0.00%	402	0	0	0	402	0	0	8.84%	303,740	9.00%	12,757.1
FEB	936,800	0	8.73%	0	936,800	0.00%	936,800	226,058	313	6.96%	0	0.00%	313	0	0	0	313	0	0	6.96%	226,058	6.70%	9,494.4
MAR	1,149,500	0	10.71%	0	1,149,500	0.00%	1,149,500	286,207	381	8.47%	0	0.00%	381	0	0	0	381	0	0	8.47%	286,207	8.48%	12,020.7
APR	1,061,119	9,281	9.89%	9,281	1,070,400	0.38%	1,149,500	256,701	343	7.63%	3	0.07%	346	0	0	0	346	0	0	7.70%	256,701	7.61%	10,781.4
MAY	1,189,700	0	11.09%	0	1,189,700	0.00%	1,189,700	309,562	407	9.05%	0	0.00%	407	0	0	0	407	0	0	9.05%	309,562	9.18%	13,001.6
JUN	977,500	0	9.11%	0	977,500	0.00%	977,500	240,476	334	7.43%	0	0.00%	334	0	0	0	334	0	0	7.43%	240,476	7.13%	10,100.0
JUL	1,207,700	0	11.25%	0	1,207,700	0.00%	1,207,700	320,799	419	9.32%	0	0.00%	419	0	0	0	419	0	0	9.32%	320,799	9.51%	13,473.6
AUG	1,150,700	0	10.72%	0	1,150,700	0.00%	1,150,700	307,848	399	8.87%	0	0.00%	399	0	0	0	399	0	0	8.87%	307,848	9.13%	12,929.6
SEP	508,296	513,704	4.74%	1,022,000	21.31%	1,022,000	1,022,000	283,049	188	4.18%	190	4.23%	378	0	0	0	378	0	0	8.41%	283,049	8.39%	11,888.1
OCT	35,341	1,049,359	0.33%	1,084,700	43.62%	1,084,700	1,084,700	300,106	13	0.29%	386	8.59%	399	0	0	0	399	0	0	8.87%	300,106	8.90%	12,804.5
NOV	189,479	838,721	1.77%	1,028,200	34.79%	1,028,200	1,028,200	275,699	68	1.51%	301	6.69%	369	0	0	0	369	0	0	8.21%	275,699	8.17%	11,579.4
DEC	1,074,800	0	10.02%	0	1,074,800	0.00%	1,074,800	262,945	349	7.76%	0	0.00%	349	0	0	0	349	0	0	7.76%	262,945	7.80%	11,043.7
TOTAL	10,731,635	2,411,065	100.00%	2,411,065	13,142,700	100.00%	13,142,700	3,373,190	3616	80.43%	880	19.57%	4496	0	0	0	4496	0	0	100.00%	3,373,190	100.00%	141,674.0



TORREY STATION FUEL USE & SEALS IN OPERATION 2020

MONTH	FUEL (CUBIC FEET) G1	YEAR %	FUEL (CUBIC FEET) G2	YEAR %	FUEL USE (CUBIC FEET) TOTAL	BBL'S. TANK THROUGHPUT	HOURS G1	YEAR %	HOURS G2	YEAR %	HOURS TOTAL	SOLVENT (GALLONS)	**PAINT (GALLONS)	HOURS TOTAL	SEALS IN OP YEAR %	BBL'S. TANK THROUGHPUT	1000 GAL THROUGHPUT YEAR %	1000 GAL THROUGHPUT YEAR
JAN	941,900	#DIV/0!	0	#DIV/0!	941,900	229,211	305	10.20%	0	0.00%	305	0	0	305	10.20%	229,211	11.48%	9,626.9
FEB	1,023,400	#DIV/0!	0	#DIV/0!	1,023,400	226,024	338	11.30%	0	0.00%	338	0	0	338	11.30%	226,024	11.32%	9,493.0
MAR	1,230,400	#DIV/0!	0	#DIV/0!	1,230,400	255,846	411	13.75%	0	0.00%	411	0	0	411	13.75%	255,846	12.82%	10,745.5
APR	1,240,500	#DIV/0!	0	#DIV/0!	1,240,500	200,592	411	13.75%	0	0.00%	411	0	0	411	13.75%	200,592	10.05%	8,424.9
MAY	199,524	#DIV/0!	540,376	#DIV/0!	739,900	206,292	72	2.41%	195	6.52%	267	0	0	267	6.53%	206,292	10.33%	8,664.3
JUN	0	#DIV/0!	768,700	#DIV/0!	768,700	248,000	0	0.00%	294	9.83%	294	0	0	294	8.83%	248,000	12.42%	10,416.0
JUL	0	#DIV/0!	900,300	#DIV/0!	900,300	234,136	0	0.00%	327	10.94%	327	0	0	327	10.94%	234,136	11.73%	9,833.7
AUG	0	#DIV/0!	855,400	#DIV/0!	855,400	229,102	0	0.00%	318	10.64%	318	0	0	318	10.64%	229,102	11.48%	9,622.3
SEP	0	#DIV/0!	846,000	#DIV/0!	846,000	167,169	0	0.00%	319	10.67%	319	0	0	319	10.67%	167,169	6.37%	7,021.1
OCT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
NOV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
DEC	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
TOTAL	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	8,546,500	1,996,372	1537	51.40%	1453	48.60%	2990	0	0	2990	100.00%	1,996,372	100.00%	83,847.6

Attachment Number 50

**Opacity Observation/
Fugitive Emission Inspection Logs**



WEEKLY FUGITIVE EMISSION INSPECTION LOG

LOCATION: Torrey #00385

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-2 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
STATION VISUAL	N	N	N	N		N	N
INITIAL:	JP	JD	JD	JB		CS	CS
4-13-2020 DATE:	4-13	4/14	4/15	4/16		4-18	4-19
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	4/15/20	0800	JD		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

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	Y	N		N
G-2 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
INITIAL:	JD	JD	JD	JD	JD		CS
DATE:	5/18	5/19	5/20	5/21	5/22		5.24
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-2	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	5/18/20	0700	JD		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

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-2 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
INITIAL:	JO	JO	JO	JO	ZM	ZM	ZM
DATE:	6/8	6/9	6/10	6/11	6/12	6/13	6/14

B. OPACITY CHECK

ENGINE	VISUAL EMISSIONS	DATE	TIME	INITIAL
Enterprise G-1	<input type="checkbox"/> Y <input type="checkbox"/> N			
Enterprise G-2	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	6/9/20	0900	JO

C. COMMENTS

Blank area for handwritten comments.



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

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		
G-2 PUMP SEAL	N	N	N	N	N		
STATION VALVES	N	N	N	N	N		
TANK VALVES	N	N	N	N	N		
SUMP	N	N	N	N	N		
STATION VISUAL	N	N	N	N	N		
INITIAL:	JD	JD	JD	JD	JD		
DATE: 7/20/20	7/20	7/21	7/22	7/23	7/24		
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-2	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	7/21/20	0800	JD		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

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		
G-2 PUMP SEAL	N	N	N	N	N		
STATION VALVES	N	N	N	N	N		
TANK VALVES	N	N	N	N	N		
SUMP	N	N	N	N	N		
STATION VISUAL	N	N	N	N	N		
INITIAL:	CS	CS	CS	CS	CS		
DATE:	8.3	8.4	8.5	8.6	8.7		
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-2	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	8.4.2020	0700	CS		
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

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		
G-2 PUMP SEAL	N	N	N	N	N		
STATION VALVES	N	N	N	N	N		
TANK VALVES	N	N	N	N	N		
SUMP	N	N	N	N	N		
INITIAL:	JO	JO	JO	CS	CS		
DATE:	9-21	9/22	9/23	9-24	9-25		
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input type="checkbox"/> N					
Enterprise G-2	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	9/22/20	0800	JO		
C. COMMENTS							

40 CFR 63ZZZN7

Maintenance Records and Hours of Operations



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>2/20/20</u>
<input checked="" type="checkbox"/> G-2 Enterprise G-SG6	ENGINE HOURS: <u>19414</u>
<input type="checkbox"/> G-3 Enterprise G-SG6	NEXT INSPECTION HOURS: <u>21874</u>
<input type="checkbox"/> G-1 Caterpillar G-379	OR ANNUALLY ON: <u>2/20/21</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 Oliver

DATE:

2/20/20



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 checked="" type="checkbox"/> G-1 Enterprise G-SG6	DATE: <u>1/20/20</u>
<input type="checkbox"/> G-2 Enterprise G-SG6	ENGINE HOURS: <u>3984</u>
<input type="checkbox"/> G-3 Enterprise G-SG6	NEXT INSPECTION HOURS: <u>6144</u>
<input type="checkbox"/> G-1 Caterpillar G-379	OR ANNUALLY ON: <u>1/20/21</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 type="checkbox"/> Good <input checked="" type="checkbox"/> Replaced	
Comments: _____	

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

INSPECTED BY:

Jolina

DATE:

1/20/20



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: 20530

G-3 Enterprise GSG-6

TYPE OF SERVICE: Repair

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

CHANGED SPARK PLUGS in number #2 and #6
CYLINDER

INSPECTED BY:

Joe Oliver

DATE:

7/29/20



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: 5353
 G-3 Enterprise GSG-6 TYPE OF SERVICE: REPAIR
 G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED NUMBER HEAD & HEAD GASKET

INSPECTED BY:

Joe Quir

DATE:

5/27/20



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: 5353

G-3 Enterprise GSG-6

TYPE OF SERVICE: Repair

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED BACK EXHAUST MANIFOLD
(CRACK LEAKING WATER INTO ENGINE)

INSPECTED BY:

Joe Oliver

DATE:

6/4/20



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: 5353

G-3 Enterprise GSG-6

TYPE OF SERVICE: Repair

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED HEAD & HEAD GASKET NUMBER 1 CYLINDER
(HEAD CRACKED)

INSPECTED BY:

J. Oh

DATE:

7/10/20



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: 5353

TYPE OF SERVICE: _____

B. MAINTENANCE/SERVICE PERFORMED

Waiting for catalyst plate and repaired
heads -

10-10-20

INSPECTED BY:

J. Oliver

DATE:

10-15-20



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 5/18/20

FINISH DATE: 5/26/20

ENGINE HOUR: 5353

ENGINE HOUR: 5353

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)							
CYLINDER #5 (°F)	D	D	D	D	D		D
CYLINDER #6 (°F)	O	O	O	O	O		O
ENGINE WATER PRESSURE (psi)	W	W	W	W	W		W
ENGINE WATER TEMP. (°F)	N	N	N	N	N		N
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JD	JU	JV	JO	JO		
DATE:	5/18	5/19	5/20	5/21	5/22		5-24



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 4/13/20

FINISH DATE: 4/20/20

ENGINE HOUR: 5018

ENGINE HOUR: 5078

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)			522				
SUCTION PRESSURE (psi)			148				
FRONT OXY. OUTPUT (mv)			120				
BACK OXY. OUTPUT (mv)			120				
WATER MAKE-UP TANK LEVEL			Full				
LUBE OIL LEVEL			1/2				
OIL ADDED TO ENGINE (gal)			-				
AIR PRESSURE (psi)			190				
CONVERTER TEMP TC-1 (°F)			775				
CONVERTER TEMP TC-2 (°F)			840				
FRONT AIR/FUEL PRESSURE (psi)			+1.2				
REAR AIR/FUEL PRESSURE (psi)			+1.5				
ENGINE RPM'S			350				
CYLINDER #1 (°F)			915				
CYLINDER #2 (°F)			934				
CYLINDER #3 (°F)	D	D	915	D		D	D
CYLINDER #4 (°F)	0	0	985	0		0	0
CYLINDER #5 (°F)	W	W	991	W		W	W
CYLINDER #6 (°F)	N	N	-	N		N	N
ENGINE WATER PRESSURE (psi)			10				
ENGINE WATER TEMP. (°F)			140				
ENGINE OIL PRESSURE (psi)			90				
ENGINE OIL TEMP (°F)			125				
GEAR BOX OIL PRESSURE (psi)			27				
INBOARD BEARING TEMP (°F)			115				
OUTBOARD BEARING TEMP (°F)			125				
INITIAL:	JO	JO	JO	JO		CS	CS
DATE:	4/13	4/14	4/15	4/16		4-18	4-20



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 4/13/20

FINISH DATE: 4/20/20

ENGINE HOUR: 19714

ENGINE HOUR: 19714

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)	D	D	D	D		D	D
CYLINDER #5 (°F)	O	O	O	O		O	O
CYLINDER #6 (°F)	W	W	W	W		W	W
ENGINE WATER PRESSURE (psi)	N	N	N	N		N	N
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							

INITIAL: JD JO JO JD CS CS
 DATE: 4/13 4/14 4/15 4/16 4-18 4-19



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 5/18/20

FINISH DATE: 5/24/20

ENGINE HOUR: 19784

ENGINE HOUR: 19860

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)	525				527		
SUCTION PRESSURE (psi)	14.2				14.0		
FRONT OXY. OUTPUT (mv)	12.0				12.0		
BACK OXY. OUTPUT (mv)	14.0				14.0		
WATER MAKE-UP TANK LEVEL	Full				Full		
LUBE OIL LEVEL	1/2				1/2		
OIL ADDED TO ENGINE (gal)	-				106AC		
AIR PRESSURE (psi)	190				190		
CONVERTER TEMP TC-1 (°F)	775				845		
CONVERTER TEMP TC-2 (°F)	770				804		
FRONT AIR/FUEL PRESSURE (psi)	+1.4				+1.5		
REAR AIR/FUEL PRESSURE (psi)	+1.4				+1.5		
ENGINE RPM'S	347				359		
CYLINDER #1 (°F)	989				1006		
CYLINDER #2 (°F)	972	D	D	D	984		D
CYLINDER #3 (°F)	965	O	O	O	981		O
CYLINDER #4 (°F)	985	W	W	W	995		W
CYLINDER #5 (°F)	992	N	N	N	997		N
CYLINDER #6 (°F)	991				1008		
ENGINE WATER PRESSURE (psi)	10				10		
ENGINE WATER TEMP. (°F)	140				165		
ENGINE OIL PRESSURE (psi)	56				45		
ENGINE OIL TEMP (°F)	120				150		
GEAR BOX OIL PRESSURE (psi)	27				28		
INBOARD BEARING TEMP (°F)	105				125		
OUTBOARD BEARING TEMP (°F)	110				150		
INITIAL:	JD	JD	JD	JD	JD		CS
DATE:	5/18	5/19	5/20	5/21	5/22		5-24



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 6/8/20

FINISH DATE: 6-15-2020

ENGINE HOUR: 19952

ENGINE HOUR: 19990

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)		525	527				
SUCTION PRESSURE (psi)		14.2	13.8				
FRONT OXY. OUTPUT (mv)		120	12.0				
BACK OXY. OUTPUT (mv)		14.0	14.0				
WATER MAKE-UP TANK LEVEL		Full	Full				
LUBE OIL LEVEL		1/2	1/2				
OIL ADDED TO ENGINE (gal)		-	-				
AIR PRESSURE (psi)		120	120				
CONVERTER TEMP TC-1 (°F)		821	825				
CONVERTER TEMP TC-2 (°F)		798	799				
FRONT AIR/FUEL PRESSURE (psi)		+1.4	+1.5				
REAR AIR/FUEL PRESSURE (psi)		+1.4	+1.5				
ENGINE RPM'S		347	345				
CYLINDER #1 (°F)		987	985				
CYLINDER #2 (°F)		984	983				
CYLINDER #3 (°F)	D	970	971	D	D	D	D
CYLINDER #4 (°F)	O	1000	985	O	O	O	O
CYLINDER #5 (°F)	W	897	899	W	O	O	O
CYLINDER #6 (°F)	V	929	917	W	W	W	W
ENGINE WATER PRESSURE (psi)		10	9		W	W	W
ENGINE WATER TEMP. (°F)		160	160				
ENGINE OIL PRESSURE (psi)		46	44				
ENGINE OIL TEMP (°F)		155	160				
GEAR BOX OIL PRESSURE (psi)		24	29				
INBOARD BEARING TEMP (°F)		125	125				
OUTBOARD BEARING TEMP (°F)		142	145				
INITIAL:	JD	JD	JD		SP	SP	SP
DATE:	6/8	6/9	6/10	6/11	6/12	6/15	6/14



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 6/8/20

FINISH DATE: 6-15-2020

ENGINE HOUR: 19952

ENGINE HOUR: 5353

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)	D	D	D	D	O	D	D
CYLINDER #4 (°F)	O	O	O	O	O	O	O
CYLINDER #5 (°F)	W	W	W	W	W	W	W
CYLINDER #6 (°F)	W	W	W	W	W	W	W
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:							
DATE:	6/8	6/9	6/10	6/11	6/12	6/13	6/14



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 7/20/20

FINISH DATE: 7/27/20

ENGINE HOUR: 20365

ENGINE HOUR: 20467

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)		527	528	526	528		
SUCTION PRESSURE (psi)		13.5	13.8	13.8	13.5		
FRONT OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0		
BACK OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0		
WATER MAKE-UP TANK LEVEL		Full	Full	Full	Full		
LUBE OIL LEVEL		1/2	1/2	1/2	1/2		
OIL ADDED TO ENGINE (gal)		-	10 GAL	-	-		
AIR PRESSURE (psi)		190	195	190	190		
CONVERTER TEMP TC-1 (°F)		842	847	854	852		
CONVERTER TEMP TC-2 (°F)		811	813	811	815		
FRONT AIR/FUEL PRESSURE (psi)		+1.6	+1.5	+1.6	+1.5		
REAR AIR/FUEL PRESSURE (psi)		+1.4	+2.0	+2.0	+2.0		
ENGINE RPM'S		358	360	358	358		
CYLINDER #1 (°F)		1033	1036	1038	1032		
CYLINDER #2 (°F)		991	994	995	992		
CYLINDER #3 (°F)		990	992	991	990		
CYLINDER #4 (°F)		1006	1006	1004	1005		
CYLINDER #5 (°F)	D	1009	1012	1015	1018		
CYLINDER #6 (°F)	0	1013	1018	1021	1024		
ENGINE WATER PRESSURE (psi)	W	9	9	9	9		
ENGINE WATER TEMP. (°F)	W	160	160	160	160		
ENGINE OIL PRESSURE (psi)		34	32	36	32		
ENGINE OIL TEMP (°F)		165	165	165	165		
GEAR BOX OIL PRESSURE (psi)		27	25	27	24		
INBOARD BEARING TEMP (°F)		125	130	135	130		
OUTBOARD BEARING TEMP (°F)		142	145	150	145		
INITIAL:	JO	JO	JO	JO	JO		
DATE:	7/20	7/21	7/22	7/23	7/24		



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 7/20/20

FINISH DATE: 7/27/20

ENGINE HOUR: 5353

ENGINE HOUR: 5353

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)							
CYLINDER #5 (°F)	D	D	D	D	D		
CYLINDER #6 (°F)	0	0	0	0	0		
ENGINE WATER PRESSURE (psi)	w	w	w	w	w		
ENGINE WATER TEMP. (°F)	w	w	w	w	w		
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	JO	JO		
DATE:	7/20	7/21	7/22	7/23	7/24		



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 8-3-2020

FINISH DATE: 8/10/20

ENGINE HOUR: 20530

ENGINE HOUR: 20626

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)		526	527				
SUCTION PRESSURE (psi)		13.9	13.2				
FRONT OXY. OUTPUT (mv)		12.0	12.0				
BACK OXY. OUTPUT (mv)		12.0	12.0				
WATER MAKE-UP TANK LEVEL		Full	Full				
LUBE OIL LEVEL		1/2	1/2				
OIL ADDED TO ENGINE (gal)		156 gal	-				
AIR PRESSURE (psi)		190	190				
CONVERTER TEMP TC-1 (°F)		806	822				
CONVERTER TEMP TC-2 (°F)		787	813				
FRONT AIR/FUEL PRESSURE (psi)		+1.9	+1.9				
REAR AIR/FUEL PRESSURE (psi)		+2.0	+1.9				
ENGINE RPM'S		352	359				
CYLINDER #1 (°F)	D	1018	1055	D	D		
CYLINDER #2 (°F)	O	971	1000	O	O		
CYLINDER #3 (°F)	W	974	1003	W	W		
CYLINDER #4 (°F)	N	999	1007	N	N		
CYLINDER #5 (°F)		989	1007				
CYLINDER #6 (°F)		999	1015				
ENGINE WATER PRESSURE (psi)		5	7				
ENGINE WATER TEMP. (°F)		150	155				
ENGINE OIL PRESSURE (psi)		34	33				
ENGINE OIL TEMP (°F)		160	165				
GEAR BOX OIL PRESSURE (psi)		25	28				
INBOARD BEARING TEMP (°F)		110	105				
OUTBOARD BEARING TEMP (°F)		140	140				
INITIAL:	CS	CS	CS	CS	CS		
DATE:	8-3-20	8-4-2020	8-5-20	8-6-20	8-7-20		



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 8-3-2020

FINISH DATE: 8/10/20

ENGINE HOUR: ~~2323~~ 5353

ENGINE HOUR: ~~20626~~ 5353

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S	D	D	D	D	D		
CYLINDER #1 (°F)	0	0	0	0	0		
CYLINDER #2 (°F)	w	w	w	w	w		
CYLINDER #3 (°F)	N	N	N	N	N		
CYLINDER #4 (°F)							
CYLINDER #5 (°F)							
CYLINDER #6 (°F)							
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	CS	CS	CS	CS	CS		
DATE:	8-3	8-4	8-5	8-6	8-7		



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 9-21-20

FINISH DATE: 9-28-2020

ENGINE HOUR: 5353

ENGINE HOUR: 5353

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)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)	D	D	D	D	D		
CYLINDER #4 (°F)	0	0	0	0	0		
CYLINDER #5 (°F)	W	W	W	W	W		
CYLINDER #6 (°F)	N	N	N	N	N		
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	CS	PS		
DATE:	9-21	9/22	9/23	9-24	9-25		



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise ~~182~~

A. ENGINE TIMER

START DATE: 9-21-20

FINISH DATE: 9-28-2020

ENGINE HOUR: 21077

ENGINE HOUR: 21143

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)		527	525	525	526		
SUCTION PRESSURE (psi)		13.8	14.5	14.4	13.4		
FRONT OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0		
BACK OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0		
WATER MAKE-UP TANK LEVEL		Full	Full	Full	Full		
LUBE OIL LEVEL		1/2	1/2	1/2	1/2		
OIL ADDED TO ENGINE (gal)		10 Gal	-	-	10 Gal		
AIR PRESSURE (psi)		190	190	190	190		
CONVERTER TEMP TC-1 (°F)		898	785	788	834		
CONVERTER TEMP TC-2 (°F)		842	762	762	818		
FRONT AIR/FUEL PRESSURE (psi)		+1.0	+1.0	+1.0	+1.0		
REAR AIR/FUEL PRESSURE (psi)		+2.0	+1.0	+1.0	+1.0		
ENGINE RPM'S		340	347	345	359		
CYLINDER #1 (°F)		1003	1015	1018	1047		
CYLINDER #2 (°F)		985	978	982	999		
CYLINDER #3 (°F)		982	982	995	1004		
CYLINDER #4 (°F)		994	991	985	1018		
CYLINDER #5 (°F)		992	985	985	1031		
CYLINDER #6 (°F)	D	1008	998	991	1033		
ENGINE WATER PRESSURE (psi)	0	9	9	9	8		
ENGINE WATER TEMP. (°F)	W	150	150	150	165		
ENGINE OIL PRESSURE (psi)	W	35	36	40	32		
ENGINE OIL TEMP (°F)	1	145	155	120	170		
GEAR BOX OIL PRESSURE (psi)		25	26	24	23		
INBOARD BEARING TEMP (°F)		120	125	100	110		
OUTBOARD BEARING TEMP (°F)		135	140	120	140		
INITIAL:	J0	J0	J0	CS	CS		
DATE:	9/21	9/22	9/23	9-24	9-25		