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May 15, 2021

Mr. Keith Macias
Ventura County Air Pollution Control District
4567 Telephone Road, 2nd Floor
Ventura, CA 93003

**Re: Part 70 Annual Compliance Certification Report for Platform Grace -
Reporting Period of April 1, 2020 through March 31, 2021**

Dear Mr. Macias:

Pursuant to the requirements of the Title V Part 70 Federal Operating Permit No. 1493, Beacon West Energy Group, LLC is submitting the Platform Grace Part 70 Annual Compliance Certification Report for the reporting period of April 1, 2020 through March 31, 2021.

If you have questions or need additional information, please call me at (805) 395-9676.

Sincerely,

A handwritten signature in blue ink, appearing to read "John Garnett", is written over a faint, circular stamp or watermark.

John Garnett
EHSR Advisor

Encl.

cc: Gerardo Rios, U.S. 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: <i>EVP-EASR</i>	 Date: <i>4/21/21</i>
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Time Period Covered by Compliance Certification <i>04 / 01 / 2020 (MM/DD/YY) to 03 / 31 / 2021 (MM/DD/YY)</i>
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ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: <u>71.1N1</u></p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Tanks that are equipped with vapor recovery</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Fugitive I&M Program under Rule 74.10 for the tank hatches and other inlet and outlet gas and liquid piping connections; storage tank vapor recovery system for each applicable tank is monitored on a quarterly basis. Annual compliance certification verifying tanks are equipped with vapor recovery.</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 #: <u>71.4N3</u></p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Sumps, pits, or ponds exempt from being required to have a cover which is impermeable to ROC vapors, and covers at least 90% of the liquid surface area; Low ROC exemption</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual validation/compliance certification that the tanks are exempt via independent laboratory analysis by EPA Method 8015 showing tank ROC content is < 5mg/l. See attached ROC analytical results for T-2 and T-13.</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 #: <u>74.9N3</u></p>	<p>D. Frequency of monitoring: Biennial Source Tests</p>
<p>B. Description: Stationary Natural Gas-Fired Rich-Burn I C Engines – NO_x, ROC, and CO emission limits after January 1, 1997.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100, EPA Method 25</p>
<p>C. Method of monitoring: Biennial source test of the generator engines. Engine inspections per the Engine Operator Inspection Plan.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: <u>74.9N7</u></p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Emergency Standby Stationary Internal Combustion Engines Operated During Either an Emergency or Maintenance Operation</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Records of operating hours. Date, time, duration, and reason for emergency operation. Records of engine data. Compliance is determined by logged hours of annual operation to ensure less than 50 hours per year.</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 #: <u>74.9N8</u></p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Stationary diesel-fired internal combustion engines with permitted capacity factor of 15% or less.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Records containing data for each engine verifying the manufacturer's specified maximum hourly fuel consumption, data specifying the actual annual usage (e.g., fuel consumption or operating hours), and data for each engine including the engine manufacturer, model no., operator identification no., and location of each engine.</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 #: <u>74.9N9</u></p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Stationary diesel-fired internal combustion engines used to power cranes and welding equipment</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Records containing data for each engine including the function (usage) of the engine, manufacturer, model number, operator identification number, and location of each engine. Routine surveillance of the diesel-fired engine to ensure that compliance is being maintained.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: ATCM ENG.N3</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: All stationary compression ignition engines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual certification that monthly fuel consumption records and fuel type records are maintained. ATCM emission standards are not federally enforceable.</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 #: PO1493PC1-Condition No. 1</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Platform Grace Additional Requirements - 12-month rolling records of throughput and consumption as provided in the Permitted Throughput and Consumption Limits Table in Section No. 3 of the Permit.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Monthly records of throughputs and fuel consumption. Annual compliance certification that these records are maintained. See attached 12-Month Rolling data.</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 #: PO1493PC1-Condition No. 2</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Platform Grace Additional Requirements - Generators shall only burn natural gas and no other fuel.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Routine surveillance to ensure only natural gas is used. Annual compliance that only natural gas was burned in generators.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 3</p>	<p>D. Frequency of monitoring:</p> <p style="margin-left: 20px;">Periodic</p>
<p>B. Description:</p> <p>Platform Grace Additional Requirements - Maximum number of oil wells (16). Platform Grace currently has 11 oil well completions.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Authority to Construct will be obtained prior to drilling any wells, unless the activity is a redrill. Annual compliance certification that there was no increase in number of wells for this 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></p> <p style="margin-left: 20px;">*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 4</p>	<p>D. Frequency of monitoring:</p> <p style="margin-left: 20px;">Periodic</p>
<p>B. Description:</p> <p>Platform Grace Additional Requirements - Maximum sulfur content of diesel fuel consumed in the crane engines, C-5B turbine starter engines, Generators, backup generator engine, and the boats.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Records of certifications from the fuel supplier documenting the sulfur content of each diesel fuel delivery are maintained</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 style="margin-left: 20px;">*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 5</p>	<p>D. Frequency of monitoring:</p> <p style="margin-left: 20px;">Periodic</p>
<p>B. Description:</p> <p>Platform Grace Additional Requirements - Crew boat and work boat emission limits</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Monthly records of fuel consumption from the crew and work boats are maintained. Monthly emissions are calculated for the crew and work boats and are maintained in 12-month rolling records. Annual compliance certification that these records are maintained. See attached 12-month rolling data.</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 style="margin-left: 20px;">*If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 6</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Platform Grace Additional Requirements - Crew boat permitted engines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Only one crew boat can be used at any given time. Records are maintained showing the days and hours that each crew boat was in service. Annual compliance certification that these records are maintained.</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 #: PO1493PC1-Condition No. 7</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Platform Grace Additional Requirements - Work boat permitted engines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Only one work boat can be used at any given time. Records are maintained showing the days and hours that each work boat was in service. Annual compliance certification that these records are maintained.</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 #: PO1493PC1-Condition No. 8</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Platform Grace Additional Requirements - Solvent Recordkeeping</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Records of solvent purchase and usage, along with records of solvent that is recycled or disposed of are maintained for solvents used in solvent cleaning activities, including wipe cleaning. Annual compliance certification that these records are maintained.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: PO1493PC2-Conditions Nos. 1, 2 and 5</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Flare fuel consumption</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Each flare has individual fuel meter installed to record the amount of natural gas consumed. Monthly records of volume of gas combusted in flare are maintained in 12-month rolling records. Records also differentiate between emergency (unplanned) usage and non-emergency (planned) usage. Annual compliance certification that these records are maintained. See attached 12-month rolling data.</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 #: PO1493PC2-Conditions Nos. 3 and 4</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Flare ignition system operation – each flare is equipped and maintained with a continuous pilot or autoignition system to ensure combustion disposal of all excess produced or recovered gases.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Flare's ignition system is tested monthly and monthly records of the flare's ignition system tests and maintenance activities are maintained. Annual compliance certification that these records are maintained.</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 #: PO1493PC3</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Caterpillar Diesel Backup Generator operation.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification that the backup generator G-02 is only operated during maintenance testing or when production generators mechanically malfunctioning. Records indicating reason for usage are maintained. Annual compliance certification that records are maintained.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: PO1493PC4</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Tanks designated as out of service on the permit are shut down and cannot be operated.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification that Tanks T-4, T-6, T-10, T-21A, T-21B, T-23, T-25, and T-22 have been shut down and had not been operated 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 #: PO1493PC5</p>	<p>D. Frequency of monitoring: Biennial</p>
<p>B. Description: Stationary Natural Gas-Fired Rich-Burn I C Engines – BACT NO_x, ROC, and CO emission limits. CAM Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100, EPA Method 25</p>
<p>C. Method of monitoring: Biennial source test of the G-03 generator using: ARB Method 100 for NO_x, ARB Method 100 for CO, EPA Method 25 or EPA Method 18 for ROC, ARB Method 100 for oxygen content, and ASTM Method 1826-77 for gaseous fuel heating value.. Annual compliance certification that daily NO_x measurements utilizing a portable analyzer are being recorded, The G-03 generator was taken out of service and was not source tested 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 #: PO1493PC6</p>	<p>D. Frequency of monitoring: Annual</p>
<p>B. Description: Crane fuel consumption</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Monthly records of crane fuel consumption are maintained in 12-month rolling records. Annual compliance certification that these records are maintained. See attached rolling 12-month data.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 50</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Opacity requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Routine surveillance to ensure that opacity requirements are being maintained. Records including date, time, and identity of emissions unit of any occurrences of visible emissions not meeting Rule 50 opacity requirements are maintained. District notification within subsequent 24 hours if visible emissions problem cannot be corrected within first 24 hours.</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 #: 52</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: Particulate Matter – Concentration requirements (grain loading)</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification that particulate matter was not discharged into the atmosphere from any source at the facility in excess of the concentration listed in the table shown in Rule 52. Periodic monitoring is not necessary to certify compliance.</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 #: 54.B.1 (OCS)</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Sulfur Compounds – Sulfur emission concentration requirements at point of discharge</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual certification that records of each planned and unplanned flaring event are maintained. A representative fuel analysis is being maintained.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 54.B.2 (OCS)</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Sulfur Compounds – Sulfur emission concentration requirements at ground level</p>	<p>Periodic</p>
<p>C. Method of monitoring: Annual certification that records of each planned and unplanned flaring event are maintained. A representative fuel analysis is being maintained.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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 #: 57.1</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: Combustion contaminants requirements – Specific – Fuel burning equipment</p>	
<p>C. Method of monitoring: Annual compliance certification that combustion contaminants were not discharged into the atmosphere from any fuel-burning equipment at the facility in excess of the concentration at the point of discharge, 0.1 grain per cubic foot of gas calculated to 12% CO₂ at standard conditions.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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 #: 64.B.1</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description: Gaseous fuel sulfur compounds concentration requirements for all combustion emissions units at this facility combusting gaseous fuel.</p>	<p>Annually</p>
<p>C. Method of monitoring: Records are maintained substantiating that only PUC natural gas is combusted at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: <u>64.B.2</u></p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p> <p>Solid or liquid fuel sulfur compounds concentration requirements for all combustion emissions units at this facility combusting solid or liquid fuel.</p>	<p>Periodic</p>
<p>C. Method of monitoring:</p> <p>Fuel supplier's certifications containing fuel sulfur content by weight for each fuel delivery are maintained.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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 #: <u>71.1.C</u></p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p> <p>Emissions of produced gas must be controlled at all times using a gas collection system that directs all gas to a fuel or sales gas system, or to a flare that combusts ROCs.</p>	<p>Quarterly</p>
<p>C. Method of monitoring:</p> <p>Fugitive I&M Program under Rule 74.10 for the gas collection system's gas and liquid piping connections; Annual compliance certification that the produced gas collection system is a closed system through a visual inspection. Flare is inspected on a quarterly basis. Records of visual and flare inspections are maintained at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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 #: <u>71.4.B.1</u></p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p> <p>First stage sump prohibition</p>	<p>None</p>
<p>C. Method of monitoring:</p> <p>Annual certification that there are no first stage production sumps at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</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>	



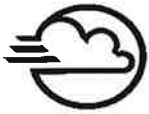
ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 71.4.B.3</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: Well cellar storage prohibition</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual certification including routine surveillance and visual inspections that no crude oil or petroleum material was stored in a well cellar except during periods of equipment maintenance or well workover, and in no case, no storage for more than 5 days. No well cellars are on Platform Grace.</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 #: 74.6</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Surface cleaning and degreasing requirements including ROC content limits, application and storage requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Records of current material list of ROC-containing material used in solvent cleaning activities are maintained. Routine surveillance of the applicable solvent cleaning activities is also performed.</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 #: 74.10</p>	<p>D. Frequency of monitoring: Daily, Weekly, Quarterly, Annually</p>
<p>B. Description: Fugitive leak and leak inspection requirements for components at crude oil production and processing facilities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Weekly visual inspections of pumps, Daily, Weekly, Quarterly monitoring of specified components. All other components not exempt are monitored annually. Detected leaks are visibly tagged. Annual update to Operator Management Plan. Notification of major leaks and repeat leaks.</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>



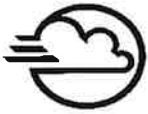
ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 74.11.1</p>	<p>D. Frequency of monitoring: None</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</p>
<p>C. Method of monitoring: Annual certification that Platform Grace does not have any applicable units.</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 #: 74.22</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: Natural gas-fired, fan-type central furnaces – NO_x limits and certification requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual certification that Platform Grace does not have any applicable units.</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 #: 74.1</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Abrasive blasting requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Routine surveillance including assuring that visual inspections, operation, equipment and recordkeeping requirements are being met,.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 74.2</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Architectural coating requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Routine surveillance and records including specifying the usage of compliant coatings and maintaining VOC records of coatings used (MSDSs are maintained).</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 #: 74.16</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: Oilfield Drilling Operations</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification to ensure the use of electric power or that drilling engines have valid APCD PTO. Annual source tests or manufacturer certification.</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 #: 40CFR.61.M</p>	<p>D. Frequency of monitoring: None</p>
<p>B. Description: National Emissions Standards for Asbestos</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual certification that inspection procedures outlined in 40 CFR Part 61.145 are met.</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: PO1493PC7</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: Stationary Natural Gas-Fired Rich-Burn I C Engines – BACT NO_x, ROC, and CO emission limits. CAM Requirements. G-6A, G-6B, G-6C, G-1A, G-1B, G-1C</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Biennial source test of the generators using the following methods: ARB Method 100 for NO_x, ARB Method 100 for CO, EPA Method 25 or EPA Method 18 for ROC, ARB Method 100 for oxygen content, and ASTM Method 1826-77 for gaseous fuel heating value. Biennial source test also to obtain air to fuel ratio set point. Annual compliance certification that daily NO_x measurements utilizing a portable analyzer are being recorded,</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>Y</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40CFR63ZZZN3</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: RICE MACT for emergency diesel engines – oil change and inspections. Applies to 600 BHP Caterpillar Diesel Back-up Generator Engine (G-02) and 120 BHP Detroit Diesel Emergency Firewater Pump Engine (P-19)</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain maintenance records, use of non-resettable hour meter. Annual compliance certification that maintenance records are maintained and that non-resettable hour meter is in use.</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 #: 40CFR63ZZZN4</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: RICE MACT for non- emergency diesel engines less than or equal to 300 HP – oil change and inspections. Applies to North and South Crane Diesel Engines.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain maintenance records. Annual compliance certification that maintenance records are maintained..</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: 04 / 01 / 20 to 03 / 31 / 21

<p>A. Attachment # or Permit Condition #: 40CFR63ZZZN7</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: RICE MACT for spark ignited remote engines greater than 500 HP – oil change and inspections. Applies to G-1 series and G-6 series generator engines.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Maintain maintenance records. Annual compliance certification that maintenance records are maintained..</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 #: PO1493PC8</p>	<p>D. Frequency of monitoring: Periodic</p>
<p>B. Description: VCAPCD Rules 29 and 71.4 – Drain Pit Operation. Applies to 7.07 sqft Deck Drain Pit.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification that the deck drain pit is being used as a containment berm.</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 Devlation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 2020 (MM/DD/YY) to 03 / 31 / 2021 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #:</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">N/A</p>	<p>B. Equipment description:</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: _____</p> <p>End: _____</p> <p>When Discovered: Date & Time</p>
<p>D. Parameters monitored:</p>	<p>E. Limit:</p>	<p>F. Actual:</p>
<p>G. Probable Cause of Deviation:</p>		<p>H. Corrective actions taken:</p>

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

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



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 20 (MM/DD/YY) to 03 / 31 / 21 (MM/DD/YY)

A. Emission Unit Description: Generator G-1C			B. Pollutant: NOx
C. Measured Emission Rate: 3.5 ppmv @ 15% O2	D. Limited Emission Rate: 5 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 2079 Report # 220-011	F. Test Date: 05/27/2020

A. Emission Unit Description: Generator G-1C			B. Pollutant: CO
C. Measured Emission Rate: 20.8 ppmv @ 15% O2	D. Limited Emission Rate: 71 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 2079 Report # 220-011	F. Test Date: 05/27/2020

A. Emission Unit Description: Generator G-1C			B. Pollutant: ROC
C. Measured Emission Rate: <0.5 ppmv @ 15% O2	D. Limited Emission Rate: 14 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 2079 Report # 220-011	F. Test Date: 05/27/2020

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:

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:

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Apr-20

Equipment	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	196.0	143.0	616.4	588.1	349.1	499.1	693.7	623.4	681.8	666.9	231.8	99.0	Gal/mo	5,388.3	N/A	Gal/yr
South Crane	345.0	403.5	410.6	560.0	93.0	179.0	811.1	178.0	168.8	132.5	95.4	0.0	Gal/mo	3,376.9	N/A	Gal/yr
Crane Total	541.0	546.5	1,027.0	1,148.1	442.1	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	Gal/mo	8,765	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (J+P+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (t-P+LP)	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	MSCF/mo	3.29	N/A	MMSCF/yr ^b
Flare Gas Total	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	MSCF/mo	3.29	7.19	MMSCF/yr
Generators:																
G2 (Emergency)	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	Gal/mo	170.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48-HP Starter Engine	3.0	34.6	5.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	Gal/mo	60.60	7,315	Gal/yr
P-19 Firewater Pump	14.0	11.0	0.0	15.0	0.0	0.0	18.0	0.0	0.0	0.0	21.0	0.0	Gal/mo	79.00	Exempt	Gal/yr
Portable Equipment	0.0	2,479.2	1,816.0	2,846.8	1,626.6	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	Gal/mo	20,972.60	Exempt	Gal/yr
Production Engines																
G-1A	45.4	198.9	0.0	240.4	0.0	2,146.1	1,938.2	1,091.5	2,398.1	1,553.8	804.7	715.1	MSCF/mo	11,122.14	N/A	MMSCF/yr
G-1B	86.3	1,037.3	1,417.3	537.0	3,580.2	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	MSCF/mo	21,821.50	N/A	MMSCF/yr
G-1C	2,365.2	2,265.0	3,593.2	3,028.1	0.0	0.0	0.0	0.0	0.0	596.4	962.2	413.1	MSCF/mo	13,153.14	N/A	MMSCF/yr
Production ICE Total	131.7	1,236.2	1,417.3	777.4	3,580.2	2,725.5	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	MSCF/mo	32.94	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3,960	MBbl/yr
Solvent Usage																
Z-SC1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Cel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Tank Coatings	0.0	0.0	0.0	0.0	11.7	2.1	0.8	0.8	0.0	0.0	0.0	0.0	Gal/mo	15.30	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,540.0	2,366.8	1,883.0	2,176.0	2,447.0	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	Gal/mo	25,702	N/A	Gal/yr
Work Boat Fuel:	2,695.0	2,068.5	962.5	1,904.0	2,141.1	2,296.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	Gal/mo	22,802	N/A	Gal/yr
Total Boat Fuel:	4,235.0	4,435.3	2,845.5	4,080.0	4,588.1	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	Gal/mo	48,504	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.07	0.07	0.05	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	Tons/mo	0.80	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.19	1.26	0.80	1.14	1.29	1.38	1.41	1.18	1.13	1.46	0.84	0.54	Tons/mo	13.61	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.07	0.07	0.05	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	Tons/mo	0.81	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.22	0.23	0.15	0.21	0.23	0.25	0.26	0.21	0.20	0.26	0.15	0.10	Tons/mo	2.47	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
May-20

Equipment	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	143.0	616.4	588.1	349.1	499.1	693.7	623.4	681.8	666.9	231.8	99.0	55.0	Gal/mo	5,247.3	N/A	Gal/yr
South Crane	403.5	410.6	560.0	93.0	179.0	811.1	178.0	168.8	132.5	95.4	0.0	0.0	Gal/mo	3,031.9	N/A	Gal/yr
Crane Total	546.5	1,027.0	1,148.1	442.1	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	Gal/mo	8,279	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	72.0	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	Gal/mo	170.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Stanes: Engine	34.6	5.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	0.0	Gal/mo	57.60	7,315	Gal/yr
P-1E Firewater Pump	11.0	0.0	15.0	0.0	0.0	18.0	0.0	0.0	0.0	21.0	0.0	0.0	Gal/mo	65.00	Exempt	Gal/yr
Portable Equipment	2,479.2	1,816.0	2,846.8	1,626.6	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	Gal/mo	20,972.60	Exempt	Gal/yr
Production Engines																
G-1A	198.9	0.0	240.4	0.0	2,146.1	1,935.2	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	MSCF/mo	11,076.74	N/A	MMSCF/yr
G-1B	1,037.3	1,417.3	537.0	3,580.2	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	MSCF/mo	24,775.83	N/A	MMSCF/yr
G-1C	2,255.0	3,533.2	3,028.1	0.0	0.0	0.0	0.0	0.0	596.4	962.2	413.1	776.5	MSCF/mo	11,564.43	N/A	MMSCF/yr
Production ICE Total	1,236.2	1,417.3	777.4	3,580.2	2,725.5	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	MSCF/mo	35.65	60.00	MMSCF/yr
Drilling Eng nes																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enwic-De:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.0	0.0	0.0	11.7	2.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	Gal/mo	15.30	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,386.8	1,883.0	2,176.0	2,447.0	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	Gal/mo	25,467	N/A	Gal/yr
Work Boat Fuel:	2,088.5	962.5	1,904.0	2,141.1	2,298.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,316.8	Gal/mo	22,426	N/A	Gal/yr
Total Boat Fuel:	4,475.3	2,845.5	4,080.0	4,588.1	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	Gal/mo	47,913	96,792	Gal/yr^c
Boat Emiss ans: tons																
ROC	0.07	0.05	0.07	0.06	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.03	Tons/mo	0.79	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.26	0.80	1.14	1.29	1.38	1.41	1.18	1.13	1.46	0.84	0.54	1.02	Tons/mo	13.44	32.11	Tons/yr at 551.00 lbs/MGal
PM	0.07	0.05	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	Tons/mo	0.80	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.23	0.15	0.21	0.23	0.25	0.26	0.21	0.20	0.26	0.15	0.10	0.19	Tons/mo	2.44	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr
^b Permit Limit: for is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Jun-20

Equipment	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	616.4	588.1	349.1	499.1	693.7	623.4	681.8	666.9	231.8	98.0	55.0	141.2	Gal/mo	5,245.5	N/A	Gal/yr
South Crane	410.6	560.0	93.0	179.0	811.1	178.0	168.8	132.5	95.4	0.0	0.0	0.0	Gal/mo	2,628.4	N/A	Gal/yr
Crane Total	1,027.0	1,148.1	442.1	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	141.2	Gal/mo	7,874	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (P+LP)																
Flare Gas Total	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	72.0	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	170.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	5.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	Gal/mo	23.00	7,315	Gal/yr
P-19 Firewater Pump	0.0	15.0	0.0	0.0	18.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	Gal/mo	54.00	Exempt	Gal/yr
Portable Equipment	1,816.0	2,846.8	1,626.6	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	Gal/mo	18,493.40	Exempt	Gal/yr
Production Engines																
G-1A	0.0	240.4	0.0	2,146.1	1,938.2	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	0.0	MSCF/mo	10,877.84	N/A	MMSCF/yr
G-1E	1,417.3	537.0	3,580.2	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	MSCF/mo	26,292.32	N/A	MMSCF/yr
G-1C	3,533.2	3,025.1	0.0	0.0	0.0	0.0	0.0	596.4	962.2	413.1	776.5	1,299.4	MSCF/mo	10,608.85	N/A	MMSCF/yr
Production on ICE Total	1,417.3	777.4	3,580.2	2,725.5	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	MSCF/mo	37.17	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBbl/yr
Solvent Usage																
Z-Sc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Del	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.46	Tons/yr ROC
Total Coatings	0.0	0.0	11.7	2.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	15.30	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,863.0	2,176.0	2,447.0	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,608.0	Gal/mo	24,709	N/A	Gal/yr
Work Boat Fuel:	962.5	1,904.0	2,141.1	2,298.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.6	2,318.8	1,407.0	Gal/mo	21,744	N/A	Gal/yr
Total Boat Fuel:	2,845.5	4,080.0	4,588.1	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	Gal/mo	46,453	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.05	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	Tons/mo	0.77	1.90	Tons/yr at 33.15 lbs/MGal
NOx	0.80	1.14	1.29	1.38	1.41	1.18	1.13	1.46	0.84	0.54	1.02	0.85	Tons/mo	13.03	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.05	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	Tons/mo	0.78	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	Tons/mo	0.17	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.15	0.21	0.23	0.25	0.25	0.21	0.20	0.26	0.15	0.10	0.19	0.15	Tons/mo	2.37	5.84	Tons/yr at 102.00 lbs/MGal

^a With/without producing wells, crane limit is 13,344 gallyr; with any producing wells, limit is 7,344 gallyr
^b Permit Limit for is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

**Platform Grace
PTO No. 1493 Equipment Usage**

**Rolling 12-Months Ending:
Jul-20**

Equipment	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	588.1	349.1	499.1	693.7	623.4	681.8	666.9	231.8	99.0	55.0	141.2	347.8	Gal/mo	4,976.9	N/A	Gal/yr
South Crane	560.0	93.0	179.0	811.1	178.0	168.8	132.5	95.4	0.0	0.0	0.0	115.5	Gal/mo	2,333.3	N/A	Gal/yr
Crane Total	1,148.1	442.1	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	141.2	463.3	Gal/mo	7,310	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	MSCF/mo	3.29	7.18	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	9.9	Gal/mo	27.90	7,315	Gal/yr
P-19 Firewater Pump	15.0	0.0	0.0	18.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	Gal/mo	54.00	Exempt	Gal/yr
Portable Equipment	2,846.8	1,626.6	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	Gal/mo	18,550.30	Exempt	Gal/yr
Production Engines																
G-1A	240.4	0.0	2,146.1	1,938.2	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	0.0	796.7	MSCF/mo	11,674.57	N/A	MMSCF/yr
G-1B	537.0	3,580.2	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	MSCF/mo	27,207.94	N/A	MMSCF/yr
G-1C	3,028.1	0.0	0.0	0.0	0.0	0.0	596.4	962.2	413.1	176.5	1,299.4	1,375.2	MSCF/mo	8,450.89	N/A	MMSCF/yr
Production on ICE Total	777.4	3,580.2	2,725.5	3,781.4	3,883.2	4,197.6	3,192.7	3,884.3	3,431.9	3,040.6	2,553.8	3,129.6	MSCF/mo	36.88	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Cel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Tctac Coatings	0.0	11.7	2.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	15.30	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,176.0	2,447.0	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,608.0	1,980.8	Gal/mo	24,806	N/A	Gal/yr
Work Boat Fuel:	1,904.0	2,141.1	2,298.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,318.8	1,407.0	1,733.2	Gal/mo	22,515	N/A	Gal/yr
Total Boat Fuel:	4,080.0	4,588.1	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	Gal/mo	47,321	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	Tons/mo	0.78	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.14	1.29	1.38	1.41	1.18	1.13	1.46	0.84	0.54	1.02	0.85	1.04	Tons/mo	13.27	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.07	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	Tons/mo	0.78	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.21	0.23	0.25	0.25	0.21	0.20	0.26	0.15	0.10	0.19	0.15	0.19	Tons/mo	2.41	5.84	Tons/yr at 102.00 lbs/MGal

^a Withroll producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

^b Permit Limit for is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP

^c Boat fuel usage is tracked at Platform Gall (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Aug-20

Equipment	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	349.1	499.1	693.7	623.4	681.8	666.9	231.8	99.0	55.0	141.2	347.8	494.7	Gal/mo	4,883.5	N/A	Gal/yr
South Crane	93.0	179.0	811.1	178.0	168.8	132.5	95.4	0.0	0.0	0.0	115.5	137.7	Gal/mo	1,911.0	N/A	Gal/yr
Crane Total	442.1	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	141.2	463.3	632.4	Gal/mo	6,795	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	270.0	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	9.9	0.0	Gal/mo	27.90	7,315	Gal/yr
P-19 Firewater Pump	0.0	0.0	18.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	39.00	Exempt	Gal/yr
Portable Equipment	1,826.6	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	Gal/mo	19,001.20	Exempt	Gal/yr
Production Engines																
G-1A	0.0	2,146.1	1,938.2	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	MSCF/mo	11,914.31	N/A	MMSCF/yr
G-1B	3,580.2	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	MSCF/mo	29,860.28	N/A	MMSCF/yr
G-1C	0.0	0.0	0.0	0.0	0.0	586.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.8	MSCF/mo	7,328.62	N/A	MMSCF/yr
Production ICE Total	3,580.2	2,725.5	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,669.5	MSCF/mo	41.77	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	128.72	MMSCF/yr
Diesel Back-up Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3860	Mbbbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	11.7	2.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings																
Boats:																
Crew Boat Fuel:	2,447.0	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,606.0	1,980.8	2,513.2	Gal/mo	25,144	N/A	Gal/yr
Work Boat Fuel:	2,141.1	2,298.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,318.8	1,407.0	1,733.2	1,415.1	Gal/mo	22,026	N/A	Gal/yr
Total Boat Fuel:	4,588.1	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	Gal/mo	47,170	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	Tons/mo	0.78	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.29	1.38	1.41	1.18	1.13	1.46	0.84	0.54	1.02	0.85	1.04	1.10	Tons/mo	13.23	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.08	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	Tons/mo	0.79	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.23	0.25	0.26	0.21	0.20	0.26	0.15	0.10	0.19	0.15	0.13	0.20	Tons/mo	2.41	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gall (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Sep-20

Equipment	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	499.1	693.7	623.4	681.8	666.9	231.8	99.0	55.0	141.2	347.8	494.7	476.5	Gal/mo	5,010.9	N/A	Gal/yr
South Crane	179.0	811.1	178.0	188.8	132.5	95.4	0.0	0.0	0.0	115.5	137.7	105.0	Gal/mo	1,923.0	N/A	Gal/yr
Crane Total	678.1	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	141.2	463.3	632.4	581.5	Gal/mo	6,934	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (P+LP)			Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)													
Flare Gas Total	279.0	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	Gal/mo	27.90	7,315	Gal/yr
P-19 Freewater Pump	0.0	18.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	39.00	Exempt	Gal/yr
Portable Equipment	2,280.7	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	Gal/mo	20,668.70	Exempt	Gal/yr
Production Engines																
G-1A	2,146.1	1,936.2	1,081.5	2,396.1	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	400.9	MSCF/mo	12,315.19	N/A	MMSCF/yr
G-1B	579.4	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	MSCF/mo	29,567.48	N/A	MMSCF/yr
G-1C	0.0	0.0	0.0	0.0	596.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.8	1,488.2	MSCF/mo	8,816.83	N/A	MMSCF/yr
Production ICE Total	2,725.5	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,669.5	3,669.3	MSCF/mo	41.88	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4,300	Gal/yr
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3,960	MBbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Let	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	2.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	3.60	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,627.2	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,608.0	1,980.8	2,513.2	3,165.6	Gal/mo	25,862	N/A	Gal/yr
Work Boat Fuel:	2,298.8	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,316.8	1,407.0	1,733.2	1,415.1	1,824.9	Gal/mo	21,710	N/A	Gal/yr
Total Boat Fuel:	4,926.0	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	Gal/mo	47,572	96,792	Gal/yr^c
Boat Emiss:ons: tons																
ROC	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.06	Tons/mo	0.79	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.38	1.41	1.18	1.13	1.46	0.84	0.54	1.02	0.85	1.04	1.10	1.40	Tons/mo	13.34	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.08	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.06	0.06	0.07	0.08	Tons/mo	0.80	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.25	0.26	0.21	0.20	0.26	0.15	0.10	0.19	0.15	0.19	0.20	0.25	Tons/mo	2.43	5.84	Tons/yr at 102.00 lbs/MGal

^a With no producing wells, crane limit is 13,344 gallyr, with any producing wells, limit is 7,344 gallyr

^b Permit Limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP

^c Boat fuel usage is tracked at Platform Gall (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Oct-20

Equipment	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	683.7	623.4	681.8	666.9	231.8	99.0	55.0	141.2	347.8	494.7	478.5	551.6	Gal/mo	5,063.4	N/A	Gal/yr
South Crane	811.1	178.0	168.8	132.5	95.4	0.0	0.0	115.5	137.7	105.0	105.0	144.3	Gal/mo	1,888.3	N/A	Gal/yr
Crane Total	1,504.8	801.4	850.6	799.4	327.2	99.0	55.0	141.2	463.3	632.4	581.5	695.9	Gal/mo	6,952	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	MSCF/mo	3,299	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	270.0	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	MSCF/mo	3,299	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHF Starter Engine	10.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	9.9	0.0	0.0	0.0	Gal/mo	27.90	7,315	Gal/yr
P-19 Firewater Pump	18.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	39.00	Exempt	Gal/yr
Portable Equipment	1,943.2	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	Gal/mo	20,695.90	Exempt	Gal/yr
Production Engines																
G-1A	1,938.2	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	400.9	502.5	MSCF/mo	10,671.57	N/A	MMSCF/yr
G-1B	1,843.2	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	3,602.8	MSCF/mo	32,590.84	N/A	MMSCF/yr
G-1C	0.0	0.0	0.0	596.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.8	1,488.2	848.2	MSCF/mo	9,664.99	N/A	MMSCF/yr
Production ICE Total	3,781.4	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,669.5	3,688.3	4,105.2	MSCF/mo	43,26	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	1.50	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,677.0	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,608.0	1,980.8	2,513.2	3,165.6	2,644.6	Gal/mo	25,880	N/A	Gal/yr
Work Boat Fuel:	2,342.4	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,318.8	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	Gal/mo	21,725	N/A	Gal/yr
Total Boat Fuel:	5,019.4	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	Gal/mo	47,605	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	Tons/mo	0.79	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.41	1.18	1.13	1.48	0.84	0.54	1.02	0.85	1.04	1.10	1.40	1.39	Tons/mo	13.35	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.08	0.07	0.07	0.09	0.05	0.03	0.06	0.06	0.06	0.07	0.08	0.08	Tons/mo	0.80	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.25	0.21	0.20	0.26	0.15	0.10	0.19	0.15	0.19	0.20	0.25	0.25	Tons/mo	2.43	6.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gall (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Nov-20

Equipment	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	623.4	681.8	666.9	231.8	59.0	55.0	141.2	347.8	494.7	476.5	551.6	372.1	Gal/mo	4,741.8	N/A	Gal/yr
South Crane	178.0	168.8	132.5	95.4	0.0	0.0	0.0	115.5	137.7	105.0	144.3	60.0	Gal/mo	1,137.2	N/A	Gal/yr
Cranes Total	801.4	850.6	799.4	327.2	99.0	55.0	141.2	463.3	632.4	581.5	695.9	432.1	Gal/mo	5,878	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HF+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	279.0	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	0.0	0.0	0.0	8.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	Gal/mo	17.90	7,315	Gal/yr
P-19 Firewater Pump	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	21.00	Exempt	Gal/yr
Portable Equipment	1,865.0	2,456.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	2,556.7	Gal/mo	21,309.40	Exempt	Gal/yr
Production Engines																
G-1A	1,081.5	2,398.1	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	400.9	502.5	535.6	MSCF/mo	9,268.96	N/A	MMSCF/yr
G-1B	2,801.7	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	3,602.8	3,219.0	MSCF/mo	33,966.65	N/A	MMSCF/yr
G-1C	0.0	0.0	596.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.6	1,488.2	848.2	1,539.1	MSCF/mo	11,204.09	N/A	MMSCF/yr
Production ICE Total	3,883.2	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,689.5	3,688.3	4,105.2	3,794.6	MSCF/mo	43.24	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
													Gal/mo	0.00	4,300	Gal/yr
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBlb/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBlb/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3,960	MBlb/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.75	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,241.0	2,140.0	2,957.6	1,600.8	1,026.0	1,325.0	1,608.0	1,980.8	2,513.2	3,165.6	2,644.6	2,287.6	Gal/mo	25,470	N/A	Gal/yr
Work Boat Fuel:	1,960.9	1,872.5	2,237.9	1,400.7	897.8	2,318.6	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	1,984.2	Gal/mo	21,367	N/A	Gal/yr
Total Boat Fuel:	4,201.9	4,012.5	5,195.5	3,001.5	1,923.8	3,643.6	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	4,251.8	Gal/mo	46,837	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.07	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	Tons/mo	0.78	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.18	1.13	1.46	0.84	0.54	1.02	0.85	1.04	1.10	1.40	1.39	1.19	Tons/mo	13.74	32.11	Tons/yr at 551.00 lbs/MGal
PM	0.07	0.07	0.09	0.05	0.03	0.06	0.06	0.06	0.07	0.08	0.08	0.07	Tons/mo	0.78	1.92	Tons/yr at 33.60 lbs/MGal
SOx	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.21	0.20	0.26	0.15	0.10	0.19	0.15	0.19	0.20	0.25	0.25	0.22	Tons/mo	2.39	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Dec-20

Equipment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	681.8	666.9	231.8	99.0	55.0	141.2	347.8	494.7	476.5	551.6	372.1	457.4	Gal/mo	4,575.8	N/A	Gal/yr
South Crane	168.8	132.5	95.4	0.0	0.0	0.0	115.5	137.7	105.0	144.3	60.0	51.7	Gal/mo	1,010.9	N/A	Gal/yr
Crane Total	850.6	799.4	327.2	99.0	55.0	141.2	463.3	632.4	581.5	695.9	432.1	509.1	Gal/mo	5,587	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)																
Flare Gas Total	279.0	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	98.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	0.0	0.0	8.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	2.0	Gal/mo	19.80	7,315	Gal/yr
P-19 Firewater Pump	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	21.00	Exempt	Gal/yr
Portable Equipment	2,466.5	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	2,556.7	1,970.4	Gal/mo	21,414.80	Exempt	Gal/yr
Production Engines																
G-1A	2,398.1	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	400.9	502.5	535.6	115.2	MSCF/mo	8,302.62	N/A	MMSCF/yr
G-1B	1,799.5	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	3,602.8	3,219.0	1,785.6	MSCF/mo	32,950.51	N/A	MMSCF/yr
G-1C	0.0	596.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.8	1,488.2	848.2	1,539.1	2,231.5	MSCF/mo	13,435.57	N/A	MMSCF/yr
Production ICE Total	4,197.6	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,569.5	3,588.3	4,105.2	3,754.6	1,900.7	MSCF/mo	41.25	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
													Gal/mo	0.00	4,300	Gal/yr
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	Mbbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Dat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents																
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,140.0	2,957.6	1,600.8	1,028.0	1,325.0	1,609.0	1,980.8	2,513.2	3,165.6	2,644.6	2,267.6	2,555.0	Gal/mo	25,784	N/A	Gal/yr
Work Boat Fuel:	1,872.5	2,237.9	1,400.7	897.8	2,318.8	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	1,984.2	2,235.6	Gal/mo	21,642	N/A	Gal/yr
Total Boat Fuel:	4,012.5	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	4,251.8	4,790.6	Gal/mo	47,426	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	Tons/mo	0.79	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.13	1.46	0.84	0.54	1.02	0.85	1.04	1.10	1.39	1.39	1.19	1.34	Tons/mo	13.30	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.07	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	Tons/mo	0.79	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.20	0.26	0.15	0.10	0.19	0.15	0.19	0.20	0.25	0.25	0.22	0.24	Tons/mo	2.42	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr
^b Permit limit is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gall (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Jan-21

Equipment	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	666.9	231.8	99.0	55.0	141.2	347.8	494.7	476.5	551.6	372.1	457.4	201.0	Gal/mo	4,095.0	N/A	Gal/yr
South Crane	132.5	95.4	0.0	0.0	115.5	137.7	137.7	105.0	144.3	60.0	51.7	0.0	Gal/mo	842.1	N/A	Gal/yr
Crane Total	799.4	327.2	99.0	55.0	141.2	483.3	632.4	581.5	695.9	432.1	509.1	201.0	Gal/mo	4,937	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	MSCF/mo	3,299	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (P+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Flare Gas Total	252.0	279.0	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	MSCF/mo	3,299	7,119	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51,100	MMSCF/yr
48 BHP Starter Engine	0.0	0.0	8.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	2.0	2.5	Gal/mo	22.40	7,315	Gal/yr
P-19 Firewater Pump	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	21.00	Exempt	Gal/yr
Portable Equipment	1,947.4	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	2,656.7	1,970.4	112.4	Gal/mo	19,070.70	Exempt	Gal/yr
Production Engines																
G-1A	1,553.8	804.7	715.1	0.0	0.0	796.7	480.1	400.9	502.5	635.6	115.2	513.6	MSCF/mo	6,418.17	N/A	MMSCF/yr
G-1B	2,373.2	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	3,602.8	3,219.0	1,785.6	77.5	MSCF/mo	31,228.45	N/A	MMSCF/yr
G-1C	596.4	962.2	413.1	776.5	1,299.4	1,375.2	1,905.6	1,488.2	848.2	1,539.1	2,231.5	2,500.3	MSCF/mo	15,935.88	N/A	MMSCF/yr
Production ICE Total	3,927.0	3,854.3	3,431.9	3,040.6	2,553.8	3,129.6	3,669.5	3,688.3	4,105.2	3,754.6	1,900.7	591.1	MSCF/mo	37.65	60,000	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
T-3E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBbl/yr
Solvent Usage																
Z-ScI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Cel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	2,957.6	1,600.8	1,025.0	1,325.0	1,608.0	1,980.8	2,513.2	3,165.6	2,644.6	2,267.6	2,555.0	2,161.2	Gal/mo	25,805	N/A	Gal/yr
Work Boat Fuel:	2,237.9	1,400.7	897.8	2,318.8	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	1,984.2	2,235.6	1,891.1	Gal/mo	21,660	N/A	Gal/yr
Total Boat Fuel:	5,195.5	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	4,251.8	4,790.6	4,052.3	Gal/mo	47,466	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.07	Tons/mo	0.79	1.90	Tons/yr at 33.15 lbs/MGal
NOx	1.46	0.84	0.54	1.02	0.85	1.04	1.10	1.40	1.39	1.19	1.34	1.14	Tons/mo	13.31	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.09	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.07	Tons/mo	0.80	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	Tons/mo	0.18	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.26	0.15	0.10	0.19	0.15	0.19	0.20	0.25	0.25	0.22	0.24	0.21	Tons/mo	2.42	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for is 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Feb-21

Equipment	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	231.8	99.0	55.0	141.2	347.8	494.7	476.5	551.6	372.1	457.4	201.0	449.8	Gal/mo	3,877.9	N/A	Gal/yr
South Crane	95.4	0.0	0.0	0.0	115.5	137.7	105.0	144.3	60.0	51.7	0.0	0.0	Gal/mo	709.6	N/A	Gal/yr
Crane Total	327.2	99.0	55.0	141.2	463.3	632.4	581.5	695.9	432.1	509.1	201.0	449.8	Gal/mo	4,588	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	252.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (F+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (F+LP)																
Flare Gas Total	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	252.0	MSCF/mo	3.29	7.19	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112.4	Gal/mo	112.40	65,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
#8 BHP Starter Engine	0.0	8.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	2.0	2.5	0.0	Gal/mo	22.40	7,315	Gal/yr
P-19 F rewater Pump	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	21.00	Exempt	Gal/yr
Portable Equipment	1,711.2	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	2,556.7	1,970.4	112.4	139.2	Gal/mo	17,262.50	Exempt	Gal/yr
Production Engines																
G-1A	804.7	715.1	0.0	0.0	796.7	480.1	400.9	502.5	535.6	115.2	513.6	0.0	MSCF/mo	4,864.39	N/A	MMSCF/yr
G-1B	3,049.6	2,716.8	3,040.6	2,553.8	2,332.9	3,189.3	3,287.4	3,602.8	3,219.0	1,785.6	77.5	636.7	MSCF/mo	29,491.94	N/A	MMSCF/yr
G-1C	962.2	413.1	776.5	1,299.4	1,375.2	1,905.8	1,488.2	848.2	1,539.1	2,231.5	2,500.3	2,230.8	MSCF/mo	17,570.27	N/A	MMSCF/yr
Production ICE Total	3,954.3	3,431.9	3,040.6	2,553.8	3,129.6	3,569.5	3,688.3	4,105.2	3,754.6	1,900.7	591.1	636.7	MSCF/mo	34.36	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbl/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	Mbbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	Mbbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det																
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coalings	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,600.8	1,026.0	1,325.0	1,605.0	1,980.8	2,513.2	3,165.6	2,644.6	2,267.6	2,555.0	2,161.2	1,558.0	Gal/mo	24,406	N/A	Gal/yr
Work Boat Fuel:	1,400.7	897.8	2,318.8	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	1,984.2	2,235.6	1,891.1	1,363.3	Gal/mo	20,785	N/A	Gal/yr
Total Boat Fuel:	3,001.5	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	4,251.8	4,790.6	4,052.3	2,921.3	Gal/mo	45,191	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.07	0.05	Tons/mo	0.75	1.80	Tons/yr at 33.15 lbs/MGal
NOx	0.84	0.54	1.02	0.85	1.04	1.10	1.40	1.39	1.19	1.34	1.14	0.82	Tons/mo	12.68	32.11	Tons/yr at 561.00 lbs/MGal
PM	0.05	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.07	0.05	Tons/mo	0.76	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.17	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.15	0.10	0.19	0.15	0.19	0.20	0.25	0.25	0.22	0.24	0.21	0.15	Tons/mo	2.30	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr
^b Permit limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Mar-21

Equipment	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	99.0	55.0	141.2	347.8	494.7	476.5	551.6	372.1	457.4	201.0	449.8	481.4	Gal/mo	4,127.5	N/A	Gal/yr
South Crane	0.0	0.0	0.0	115.5	137.7	105.0	144.3	60.0	51.7	0.0	0.0	75.6	Gal/mo	689.8	N/A	Gal/yr
Crane Total	99.0	55.0	141.2	463.3	632.4	581.5	695.9	432.1	509.1	201.0	449.8	557.0	Gal/mo	4,817	13,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	MSCF/mo	3.29	N/A	MMSCF/yr
Unplanned (F+H+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HF+LP)	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	MSCF/mo	3.29	7.18	MMSCF/yr ^b
Flare Gas Total	270.0	279.0	270.0	279.0	279.0	270.0	279.0	270.0	279.0	279.0	252.0	279.0	MSCF/mo	3.29	7.18	MMSCF/yr^b
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112.4	0.0	Gal/mo	112.40	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	8.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	2.0	2.5	0.0	0.0	Gal/mo	22.40	7,315	Gal/yr
P-19 Firewater Pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	Exempt	Gal/yr
Portable Equipment	0.0	0.0	0.0	1,872.9	3,297.7	3,294.1	2,307.9	2,556.7	1,970.4	112.4	139.2	2,043.0	Gal/mo	17,594.30	Exempt	Gal/yr
Production Engines																
G-1A	715.1	0.0	0.0	796.7	480.1	400.9	502.5	535.6	115.2	513.6	0.0	632.3	MSCF/mo	4,692.03	N/A	MMSCF/yr
G-1B	2,716.8	3,040.6	2,563.8	2,332.9	3,189.3	3,287.4	3,602.8	3,219.0	1,785.6	77.5	636.7	848.3	MSCF/mo	27,290.69	N/A	MMSCF/yr
G-1C	413.1	776.5	1,298.4	1,375.2	1,905.8	1,488.2	848.2	1,539.1	2,231.5	2,500.3	2,300.8	3,177.2	MSCF/mo	19,785.18	N/A	MMSCF/yr
Production ICE Total	3,431.9	3,040.6	2,563.8	3,129.6	3,689.5	3,688.3	4,105.2	3,784.6	1,900.7	591.1	636.7	1,480.6	MSCF/mo	31.98	60.00	MMSCF/yr
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	126.72	MMSCF/yr
Diesel Backup Generator																
Tanks Throughputs																
T-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBlb/yr
T-3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbls/mo	0.000	20	MBlb/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	6,160	3960	MBlb/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coatings	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	Exempt	Gal/yr
Boats																
Crew Boat Fuel:	1,026.0	1,325.0	1,608.0	1,980.8	2,513.2	3,165.6	2,644.6	2,267.6	2,555.0	2,161.2	1,558.0	2,320.8	Gal/mo	25,126	N/A	Gal/yr
Work Boat Fuel:	897.8	2,318.8	1,407.0	1,733.2	1,415.1	1,824.9	2,314.0	1,984.2	2,235.6	1,891.1	1,363.3	2,030.7	Gal/mo	21,415	N/A	Gal/yr
Total Boat Fuel:	1,923.8	3,643.8	3,015.0	3,714.0	3,928.3	4,990.5	4,958.6	4,251.8	4,790.6	4,052.3	2,921.3	4,351.5	Gal/mo	46,541	96,792	Gal/yr^c
Boat Emissions: tons																
ROC	0.03	0.06	0.05	0.06	0.07	0.08	0.09	0.07	0.08	0.07	0.05	0.07	Tons/mo	0.77	1.90	Tons/yr at 33.15 lbs/MGal
NOx	0.54	1.02	0.85	1.04	1.10	1.40	1.39	1.19	1.34	1.14	0.82	1.22	Tons/mo	13.05	32.11	Tons/yr at 561.00 lbs/MGal
PMI	0.03	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.07	0.05	0.07	Tons/mo	0.78	1.92	Tons/yr at 33.50 lbs/MGal
SOx	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.02	Tons/mo	0.17	0.42	Tons/yr at 7.50 lbs/MGal
CO	0.10	0.19	0.15	0.19	0.20	0.25	0.25	0.22	0.24	0.21	0.15	0.22	Tons/mo	2.37	5.84	Tons/yr at 102.00 lbs/MGal

^a Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr
^b Permit Limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

ENGINE DATA FOR THE CATERPILLAR ENGINE (G-1A)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: 5VA0058

Engine Location: Turbine room, southwest corner of platform, production deck

Summary of Maintenance and Testing Reports are Included for the Following:

- Service records are attached.

Source Test Report: Please refer to the last source test report previously submitted to the District. Enclosed are summary of results.

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: APRIL

Year: 2020

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS	SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)			
Day	Nox				CO	Nox	CO	Time
1	0	7	16:06				AW	
2	0	8	00:49				JR	
3								
4								
5								
6								
7								
8								
9								
10	0.1	12	1734hrs				JR	
11	0.3	5	0006hrs				RS	
12	3.8	62	0013hrs				RS	
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: MAY

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)			
Day	Nox		CO	Nox	CO	Nox	CO	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25	0	65	1651hrs				DR	
26	1.7	51	0001hrs				RS	
27	0	9	00:10				JR	
28	0	7	00:11				JR	
29	0	33	00:17				JR	
30	0	31	00:09				JR	
31	0	28	00:12				JR	

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

MONTH: July

YEAR: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS			SECONDARY NOX/CO TEST		
Day	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1								
2								
3								
4								
5	0	44	0003hrs					DR
6	0	41	0009hrs					DR
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22	0.1	11	0126HRS		0.7	39	1859HRS	RS
23	3.7	0	0005HRS					RS
24	1.9	9	0006HRS					RS
25	2.1	12	0009hrs					RS
26	4.2	1	0021hrs					RS
27	0	11	0021hrs					RS
28	3.1	1	0010hrs					RS
29	0.1	17	0005hrs					RS
30	1.7	1	0001hrs					RS
31	0.2	0	0007hrs					RS

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: AUG

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv @15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time		
Day	Nox		CO	Nox			CO	
1	1.2	52	0019hrs				RS	
2	3.1	8	1622hrs				RS	
3								
4								
5								
6								
7	3.7	1	0856HRS				JR	
8	2.4	22	0015HRS				JR	
9	0	14	0034HRS				JR	
10	0	26	0019HRS				JR	
11	0	15	0015HRS				JR	
12	3.8	69	0059HRS				JR	
13	0	3	0346HRS				JR	
14	0.1	7	1649HRS				JR	
15	0.1	10	0009HRS				JR	
16	3	6	0107hrs				JR	
17	2.1	9	0010hrs				JR	
18	4.8	7	0008hrs				JR	
19	2.8	28	1815hrs				RS	
20								
21								
22								
23								
24	4.9	49	2018hrs				RS	
25	0.1	26	0002hrs				RS	
26	0.1	52	0008hrs				RS	
27	0	30	0010hrs				SR	
28	0	66	0027hrs				RS	
29	3.6	0	0319hrs				RS	
30								
31	4.3	9	1921hrs				RS	

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: Sep

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@16% O2)	SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time		Secondary Reading (ppmv @ 15% O2) (if needed)	Time		
Day	Nox	CO		Nox	CO		
1	1.8	18	0015hrs				SR
2	0.7	56	0017hrs				JR
3	0	8	0256hrs				JR
4	3.3	0	0200hrs				JR
5	0	54	0050hrs				JR
6	2.9	7	2138hrs				JR
7	0.1	44	00:00				JR
8							
9							
10	3.9	5	1348hrs				JR
11	1.2	6	0025hrs				JR
12	0	8	0030hrs				JR
13	0	4	0010hrs				JR
14							
15							
16	0.3	55	1851hrs				RS
17	0.5	18	0007hrs				RS
18							
19							
20	0.1	28	1105hrs				SR
21							
22	5	3	2134hrs				RS
23	4	16	1840hrs				RS
24							
25							
26							
27							
28							
29							
30	3	8	1218hrs				
31							

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: Dec

Year: 2020

INITIAL NOX/CO TEST			Time	CORRECTIVE ACTIONS (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	SECONDARY NOX/CO TEST		Tester's Initials
Initial Reading (ppmv @ 15%O2)		Nox			CO	Secondary Reading (ppmv @ 15% O2) (if needed)	
Day	Nox		CO	Nox			CO
1	4.6	1	01:38				GE
2	2.1	0	11:15				JR
3	0.5	0	00:00				JR
4	2.1	3	00:00				JR
5	2.4	7	00:00				JR
6	4.6	6	00:00				JR
7	1.2	35	00:00				JR
8	4.7	1	00:09				JR
9	3	1	00:12				JR
10	4.8	1	03:51				JR
11	0.4	7	00:23				JR
12	1.6	1	00:22				JR
13	4.5	1	00:22				JR
14	3.5	67	03:58				JR
15							
16	1.2	31	00:30				JR
17							
18	3.5	1	09:15				CR
19	2.9	0	00:38				JR
20	1.4	8	00:05				JR
21	4.6	1	00:46				JR
22	1.6	4	01:12				JR
23	2	0	04:52				JR
24							
25							
26							
27							
28							
29	2.4	0	15:32				JR
30							
31	4.1	1	00:00				SM

Condition PQ11493PC5

**PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1C

Month: Jan Year: 2021

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
Day	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1	2.7	1	2:17					JR
2	3.5	0	8:25					JR
3	3.4	3	1:55					JR
4								
5								
6								
7								
8								
9	3.5	1	1:21					DR
10	0.7	2	0:21					DR
11	3.5	3	0:25					DR
12	1.2	1	0:11					DR
13	2.7	0	0:03					DR
14	3.7	17	0:08					DR
15	1.5	1	0:00					DR
16	4.3	12	0:05					DR
17	1.2	2	0:01					DR
18	2.1	4	0:00					DR
19	1.2	2	0:17					DR
20	3.2	1	0:43					SM
21	2.6	1	0:32					JR
22	2	1	0:13					JR
23	2.8	9	0:24					JR
24	2.9	0	0:16					JR
25	3.4	1	0:37					JR
26	4.3	0	0:24					JR
27	4	1	0:44					JR
28	2.3	1	0:13					JR
29	1.7	0	0:09					JR
30	2.9	0	0:11					JR
31	4.3	1	0:13					JR

ENGINE DATA FOR THE CATERPILLAR (G-1B)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: 5VA00572

Engine Location: Turbine room, southwest corner of platform, production deck

Summary of Maintenance and Testing Reports are Included for the Following:

- Service records are attached.

Source Test Report: Please refer to the last source test previously submitted to the District. Enclosed are summary of results.

Condition PQ11493PC5

**PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1B Month: Aug Year: 2020

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Day	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1	0	35	1832hrs					RS
2	0.1	1	0008hrs					RS
3	0	42	0005hrs					RS
4	0	3	0005hrs					RS
5	0	22	0026hrs					JR
6	0	57	0016hrs					JR
7	0	48	0109hrs					JR
8	0	3	0008hrs					JR
9	0.8	66	0044hrs					JR
10	0	48	0022hrs					JR
11	0.1	42	0012hrs					JR
12	0	11	0059hrs					JR
13	0	29	0346hrs					JR
14	0	47	0005hrs					JR
15	0	54	0009hrs					JR
16	0	68	0107hrs					JR
17	0.1	16	0014hrs					JR
18	0.1	67	0008hrs					JR
19	0.1	41	0016hrs					RS
20	0.1	9	0031hrs					RS
21	2.9	2	0002hrs					RS
22	0.2	2	0012hrs					RS
23	0	4	0009hrs					RS
24	0	21	0018hrs					RS
25	0.2	39	0004hrs					RS
26	0.1	9	0004hrs					RS
27	0	6	0016hrs					RS
28								
29	0	54	1821hrs					RS
30	0	4	0024hrs					RS
31	0.1	1	0008hrs					RS

Condition PQ11493PC5

**PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1B Month: Oct Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)	CO	Time	Tester's Initials
Day	Nox							
1	5	41	0615hrs					JR
2	0	28	0659hrs					JR
3	1	60	0006hrs					JR
4	0	62	0038hrs					JR
5	0	56	0011hrs					JR
6	0	67	0533hrs					JR
7	3	48	0740hrs					JR
8	0	58	0743hrs					JR
9	1	68	0004hrs					JR
10	0	59	0038hrs					JR
11	0	70	0002hrs					JR
12	0	70	0002hrs					RS
13	0	26	0011hrs					RS
14	0	37	0005hrs					RS
15	2	33	0016hrs					RS
16	0	57	0004hrs					RS
17	0	68	00:04					RS
18	1	62	00:13					RS
19	2	71	00:24					RS
20	5	28	00:10					RS
21	2	13	00:04					RS
22	3	54	00:58					RS
23	3	16	00:47					RS
24	4	50	0008hrs					RS
25	3	34	0022hrs					RS
26	0	61	0008hrs					RS
27	3.2	56	0017hrs					SR
28	3	65	0023hrs					SR
29	1	25	05:22					SR
30	3.1	09	10:14					DE
31	3.1	1	13:47					DE

Condition PQ11493PC5

**PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1B

Month: Dec

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
Day	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1	0.2	5	0125hrs					GE
2	0.3	53	0027hrs					GE
3								
4								
5								
6	4	60	18:41hrs					JR
7	4.5	21	0008hrs					JR
8								
9	3.5	45	03:53					JR
10	1.2	51	09:22					JR
11								
12								
13								
14	2.9	57	02:29					JR
15	1.2	18	00:16					JR
16	0.9	15	00:24					JR
17	0.5	11	00:34					JR
18	2	8	01:03					JR
19	0.4	29	02:25					JR
20	1.6	25	05:17					JR
21	0.9	30	01:24					JR
22	0.6	13	01:11					JR
23	2	30	00:28					JR
24	1.3	41	00:24					JR
25	1.6	50	00:41					JR
26	0.9	59	01:24					JR
27	0.7	59	00:12					SR
28	1.1	65	00:44					SR
29	1.2	70	01:08					JR
30	0.9	36	02:34					JR
31	1.5	40	04:08					JR

Condition PQ11493PC5

PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING

G-1B Month: Jan Year: 2021

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS			SECONDARY NOX/CO TEST		Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time		
Day	Nox		CO	Nox	CO		CO	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

ENGINE DATA FOR THE CATERPILLAR (G-1C)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: 49CO1029

Engine Location: Turbine room, southwest corner of platform, production deck

Summary of Maintenance and Testing Reports are Included for the Following:

- Service records are attached.

Source Test Report: Please refer to the last source test previously submitted to the District.

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1A

Month: APRIL

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)			
Day	Nox		CO	Nox	CO	CO	Time	
1								
2								
3								
4								
5	0.4	10	23:11				JR	
6	0	9	00:24				JR	
7	0.1	15	00:24				JR	
8	0.1	13	0005hrs				RS	
9	0.1	23	0153hrs				RS	
10	0.1	10	0002hrs				RS	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING

G-1A

Month: MAY

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Initial Reading (ppmv @ 15%O2)			Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
Day	Nox	CO	Time		Nox	CO	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Condition PQ11493PC5

PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING

G-1A

Month: June

Year: 2020

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
Day	Nox		Nox	CO	CO	Time	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

Condition PQ11493PC5

**PLATFORM GRACE
G399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1A

Month: Oct

Year: 2020

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS	SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)	Time		
Day	Nox				CO		CO	
1	1	42	0022hrs				JR	
2	5	7	0647hrs				JR	
3	2	0	0011hrs				JR	
4	2	6	0052hrs				JR	
5	4	6	0004hrs				JR	
6	5	3	0433hrs				JR	
7	4	8	0019hrs				JR	
8	3	65	0520hrs				JR	
9	5	55	1713hrs				JR	
10	0	54	2203hrs				JR	
11								
12								
13								
14	1	13	2037hrs				RS	
15	3	6	0014hrs				RS	
16								
17								
18								
19								
20	5	4	16:46				RS	
21								
22	2	9	21:50				RS	
23	3	4	00:45				RS	
24	3	3	1532hrs				DR	
25	5	39	0014hrs				RS	
26	4	39	0010hrs				RS	
27	0	52	1108hrs				DR	
28								
29								
30								
31								

Condition PQ11493PC5

**PLATFORM GRACE
399 CATERPILLAR GENERATOR ENGINE (G-1A)
DAILY CAM/RULE 74.9 MONITORING**

G-1A

FEB. 2021

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS	SECONDARY NOX/CO TEST			Tester's Initials
Initial Reading (ppmv @ 15%O2)		Time		Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)	Secondary Reading (ppmv @ 15% O2) (if needed)		
Day	Nox		CO		Nox	CO	
1							
2							
3							
4							
5							
6							
7							
8							
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31							

ENGINE DATA FOR THE CATERPILLAR ENGINE (G-6A)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

Summary of Maintenance and Testing Reports are Included for the Following:

- No service performed. Unit was out of service during reporting period.

Source Test Report: None

ENGINE DATA FOR THE CATERPILLAR ENGINE (G-6B)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

Summary of Maintenance and Testing Reports are included for the following:

- No service performed. Unit was out of service during reporting period.

Source Test Report: None

ENGINE DATA FOR THE CATERPILLAR ENGINE (G-6C)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

Summary of Maintenance and Testing Reports are Included for the Following:

- **No service performed. Unit was out of service during reporting period.**

Source Test Report: None

ENGINE DATA FOR THE WAUKESHA ENGINE (G-03)

Engine Manufacturer: Waukesha

Model No.: F3521G (SI)

Serial No.: 289729

Engine Location: Turbine room, southwest corner of platform, production deck

Summary of Maintenance and Testing Reports are Included for the Following:

- No service performed. Engine was out of service during reporting period.

Source Test Report: None



40 CFR PART 63 SUBPART ZZZZ
MAINTENANCE PLAN

PLATFORM GRACE
G-1C ENGINE SERVICE
CATERPILLAR MODEL G-399, 915 HP

DATE: 10/27/2020
HOURS: 1965
MECHANIC: Justin Robarge

2160 HOURS (OR ANNUAL SERVICE)

INSPECT/CHANGE HOSES AND BELTS: YES NO CHANGED

COMMENTS:

CHANGE OIL FILTERS: YES NO CHANGED

COMMENTS:

CHANGE FUEL FILTERS: YES NO CHANGED

COMMENTS:

CHANGE CRANK CASE OIL: YES NO CHANGED

COMMENTS:

REPLACE AIR FILTERS: YES NO CHANGED

COMMENTS:

Oil ANALYSIS PENDING ANALYSIS YES NO

COMMENTS:

Comments

Multiple empty lines for entering comments.

Signature *Justin Robarge*

(A) IF 2160 OPERATING HOURS ATTAINED PRIOR TO 12 MONTHS SINCE LAST SERVICE, PERFORM A OIL ANALYSIS
(B) IF OIL DOES NOT PASS, PERFORM A FULL OIL CHANGE SERVICE



LubeWatch®

UIN 084090D

Gas Engine

G-01 C

Unit No.

Unit:

Make

Model

Serial No.

Site

Compartment:

Name Natural Gas Engine

Make Caterpillar

Model G399

Serial No.

Capacity: Ltrs

Customer:

BEACON WEST ENERGY GROUP LLC GAIL
Export Platform Gail
Attn: Justin Robarge & Austin Wright
5661 Carpinteria Ave
Carpinteria, CA 92002

DIAGNOSIS

All wear levels appear within acceptable limits for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity within specified operating range. Action: Resample at next recommended interval to monitor and establish wear trend.

ANALYST: Sam Smith Phoenix



Normal

LEGEND



Abnormal



Caution



Severe



Normal

DATE SAMPLED 11-Oct-20

DATE RECEIVED 26-Oct-20

DATE REPORTED 27-Oct-20

LAB NO. 44022337189

SIF NO. 36264063

TIME ON UNIT 1965

TIME ON OIL 1965

OIL BRAND Unidentified

OIL TYPE Unidentified

OIL GRADE SAE 40

OIL ADDED

FILTER Not Applicable

OIL CHANGED Not Changed

WO NUMBER

Metals (ppm)

Iron (Fe) 7

Chromium (Cr) <1

Lead (Pb) 5

Copper (Cu) 5

Tin (Sn) 3

Aluminium (Al) 4

Nickel (Ni) <1

Silver (Ag) <1

Titanium (Ti) <1

Vanadium (V) <1

Contaminants (ppm)

Silicon (Si) 6

Sodium (Na) 6

Potassium (K) 9

Additives (ppm)

Magnesium (Mg) 17

Calcium (Ca) 1432

Barium (Ba) <1

Phosphorus (P) 302

Zinc (Zn) 370

Molybdenum (Mo) 361

Boron (B) <5

Contaminants

Water (%) <0.05

Coolant No

Physical Tests

Viscosity (cSt 100C) 14.3

Solids (%) 0.1

Physical / Chemical

Initial pH 2.6

Acid Number (mgKOH/g) 2.93

Oxidation (Abs/0.1mm) 16

E2412/D7414

Nitration (Abs/0.1mm) E2412

8



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LubeWatch®

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UJIN 084090D

U.S. Laboratories

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 800.726.5400

Kansas City, Kansas - 430 Phoenix, Arizona - 440
 935 Sunshine Road 3319 West Earl Drive
 Kansas City, KS 66115 Phoenix, AZ 85017
 800.332.8055 800.445.7930

Portland, Oregon - 401
 4943 NW Front Avenue
 Portland, OR 97210
 800.770.4128

Canadian Laboratories
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 Burlington, ON L7L5Y7 Edmonton, AB T6N 1M9
 905.332.9559 888.489.0057

Sales & Marketing
Houston, Texas
 10450 Stanciliff Road, Suite 210
 Houston, TX 77099
 877.835.8437

International Locations

Australia
 Brisbane, Perth, Sydney, Muswellbrook

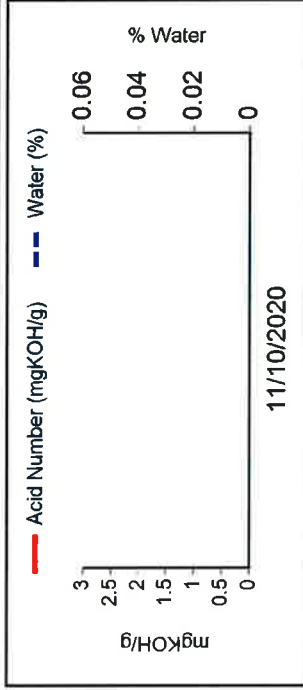
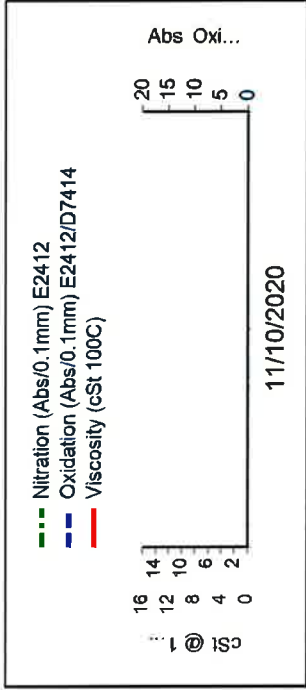
South America
 Santiago de Chile, Belo Horizonte, Brazil

Southeast Asia Europe
 Kuala Lumpur, Singapore Prague

TEST METHODS:

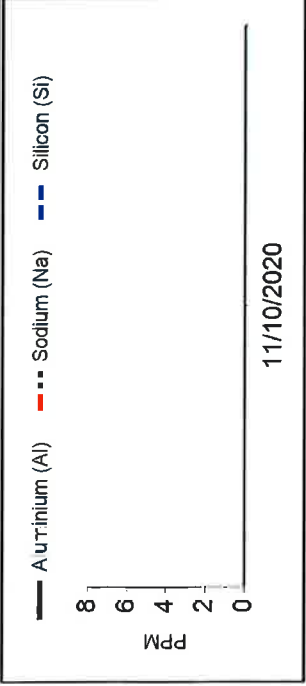
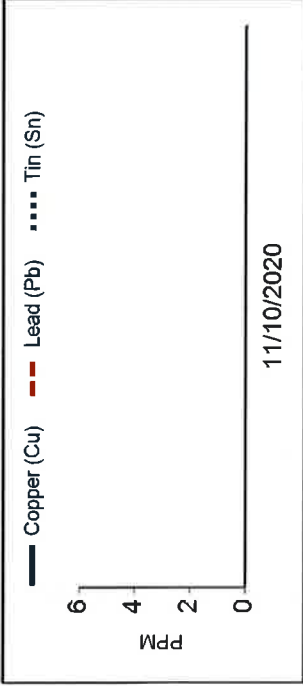
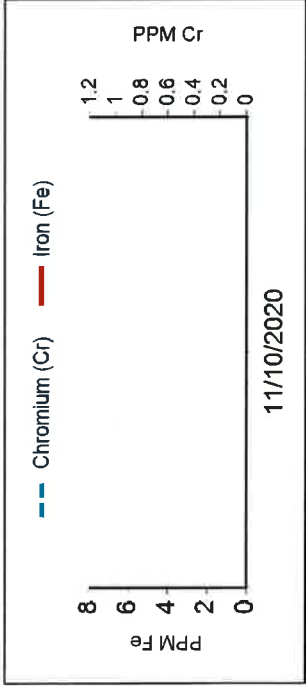
Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896 (*M)
Fuel Dilution by GC:	ASTM D7593
Fuel Dilution Visc/Setflash	In House
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Soot by FTIR:	ASTM D7844
Glycol:	In House
Metals by ICP AES:	ASTM D5185 (*M)
Ox. NOx, SOx, FTIR:	ASTM E2412/D7418/D7414 D7415
PQ Index:	ASTM D8120 (*M)
Particle Count:	ASTM D7647 (*M) / ISO 4406
Viscosity:	ASTM D445 (*M) / D7279 (*M)
Water KF:	D6304 / E203 (*M)
Water Crackle:	In House

*M - Modified Method



Filter Image

Filter patch test is not performed Contact laboratory for more information



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Beacon West Energy Group LLC Grace
 Attn: Justin Robarge
 Export Platform Grace
 Attn: Justin Robarge & Austin Wright
 2661 Carpinteria Ave
 Carpinteria CA 93013
 USA



LubeWatch®

UIN 07C009E

Gas Engine

G-1-A

Unit No.

Unit:

Make

Model

Serial No.

Site

Compartment:

Name Gas Engine

Make Caterpillar

Model G399

Serial No. 49C01027

Capacity:

Customer:

BEACON WEST ENERGY GROUP LLC GRACE

Export Platform Grace

Attn: Justin Robarge & Austin Wright

2661 Capinzeria Ave

Corvallis, OR 97331

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: Resample next service interval to further monitor.

ANALYST: Sam Smith Phoenix



LEGEND



(800) LUBE-808

DATE SAMPLED

19-Jan-20

DATE RECEIVED

31-Jan-20

DATE REPORTED

03-Feb-20

LAB NO.

44022174331

SIF NO.

36264067

TIME ON UNIT

43974

TIME ON OIL

1500

OIL BRAND

Chevron

OIL TYPE

Unidentified

OIL GRADE

SAE 40

OIL ADDED

SAE 40

FILTER

Not Changed

OIL CHANGED

Not Changed

WO NUMBER

Not Changed

Metals (ppm)

Iron (Fe)	2	4
Chromium (Cr)	<1	<1
Lead (Pb)	<1	<1
Copper (Cu)	<1	1
Tin (Sn)	<1	<1
Aluminium (Al)	4	4
Nickel (Ni)	<1	<1
Silver (Ag)	<1	<1
Titanium (Ti)	<1	<1
Vanadium (V)	<1	<1

Contaminants (ppm)

Silicon (Si)	18	8
Sodium (Na)	<1	1
Potassium (K)	6	<1

Additives (ppm)

Magnesium (Mg)	14	22
Calcium (Ca)	1394	1612
Barium (Ba)	<1	<1
Phosphorus (P)	272	311
Zinc (Zn)	335	412
Molybdenum (Mo)	352	405
Boron (B)	<5	7

Contaminants

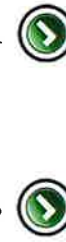
Water (%)	<0.05	<0.05
Coolant	No	No

Physical Tests

Viscosity (cSt 100C)	14.4	14.0
Solids (%)	0.1	0.1

Physical / Chemical

Initial pH	3.7	6.4
Acid Number (mgKOH/g)	2.31	4.04
Oxidation (Abs/0.1mm)	10	13
E2412/D7414	6	7
Nitration (Abs/0.1mm) E2412	6	7





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UIN 07C009E

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Kuala Lumpur, Singapore

Europe

Prague

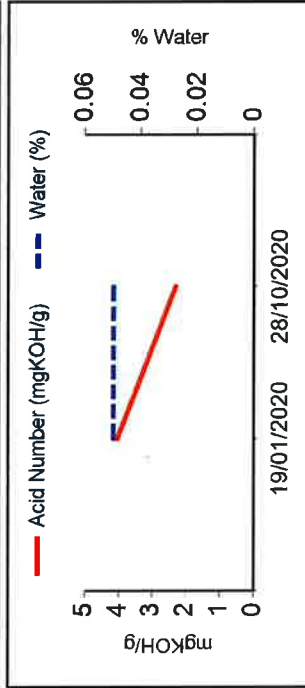
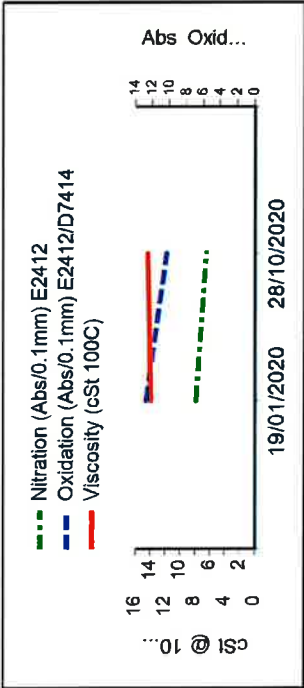
New Zealand

Wellington

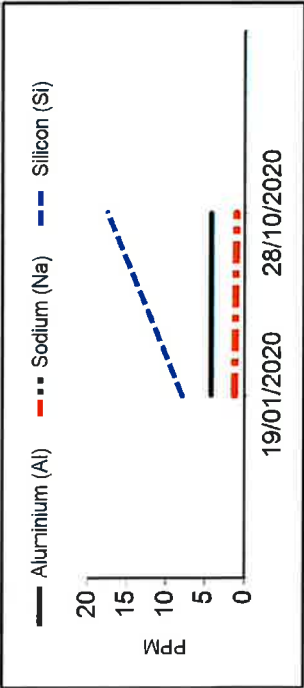
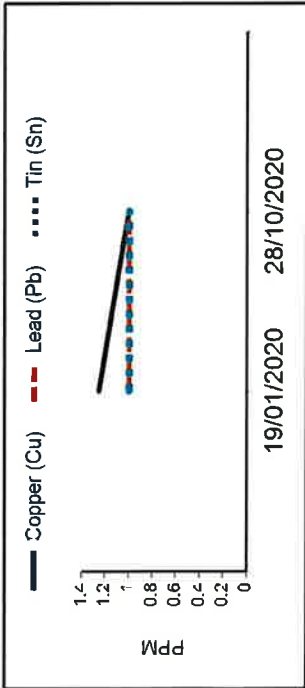
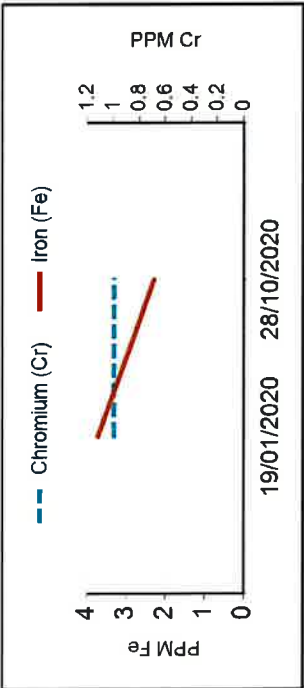
TEST METHODS:

Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896 (*M)
Fuel Dilution by GC:	ASTM D7593
Fuel Dilution Visc/Setflash	In House
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Soot by FTIR:	ASTM D7844
Glycol:	In House
Metals by ICP AES:	ASTM D5185 (*M)
Ox, NOx, SOx, FTIR:	ASTM E2412/D7418/D7414 D7415
PQ Index:	ASTM D8120 (*M)
Particle Count:	ASTM D7647 (*M) / ISO 4406
Viscosity:	ASTM D445 (*M) / D7279 (*M)
Water KF:	D6304 / E203 (*M)
Water Crackle:	In House

*M - Modified Method



Filter patch test is not performed. Contact laboratory for more information.



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Beacon West Energy Group LLC Grace
 Attn: Justin Robarge
 Export Platform Grace
 Attn: Justin Robarge & Austin Wright
 2661 Carpinteria Ave
 Carpinteria CA 93013
 USA



40 CFR PART 63 SUBPART ZZZZ
MAINTENANCE PLAN

PLATFORM GRACE
G-1B GENERATOR
CATERPILLAS MODEL G-399, 915HP

DATE: 1/15/2021
HOURS: 55246
MECHANIC: David Ramos

ARE DROP DOWN BOXES

(2160 HRS OR ANNUAL SERVICE)

INSPECT/CHANGED HOSES AND BELTS: EVERY 2160 HRS	Yes
COMMENTS:	
REPLACED CATALYST	No
COMMENTS:	
AIR FILTERS: CHANGE EVERY 500 HRS	No
COMMENTS:	
OIL SPINNER FILTERS: EVERY 6 MONTHS	Yes
COMMENTS:	
OIL FILTERS: EVERY 6 MONTHS	Yes
COMMENTS:	
CRANK CASE OIL: AS NEEDED PER OIL ANALYSIS	No
COMMENTS:	
DRAINED OIL COOLER: EVERY TIME THE OIL IS CHANGED	No
COMMENTS:	
Oil ANALYSIS: ANNUAL OR 2160 HRS, WHICH EVER COMES FIRST	Yes
COMMENTS:	

Comments

Signature *David Ramos*

(A) IF OPERATING HOURS ATTAINED PRIOR TO 12 MONTHS SINCE LAST SERVICE, PERFORM A OIL ANALYSIS BEFORE CHANING THE OIL.



LubeWatch®

UIN 07C007E

Gas Engine
G-1-B

Unit No. G-1-B

Unit:

Make

Model

Serial No.

Site

Compartment:

Name Gas Engine

Make Caterpillar

Model G399

Serial No. 49C01028

Capacity:

Customer:

BEACON WEST ENERGY GROUP LLC GRACE
Export Platform Grace
Attn: Justin Robarge & Austin Wright
2661 Carpinteria Ave
Carpinteria, CA 92012

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: As oil and filter(s) already changed, resample next service interval to further monitor.

ANALYST: Sam Smith Phoenix



Normal

LEGEND



Severe



Abnormal



Caution



Normal

DATE SAMPLED	15-Jan-21	18-Nov-20	19-Jan-20
DATE RECEIVED	25-Jan-21	04-Dec-20	31-Jan-20
DATE REPORTED	26-Jan-21	08-Dec-20	03-Feb-20

LAB NO.	44022399095	44022365701	44022174327
SIF NO.	38097109	38097123	36264064
TIME ON UNIT	Hrs	Hrs	Hrs
TIME ON OIL	55246	54502	48489
TIME BRAND	2683	1939	48256
OIL BRAND	Chevron	Chevron	Unidentified
OIL TYPE	Unidentified	Unidentified	Unidentified
OIL GRADE	SAE 40	SAE 40	Unknown
OIL ADDED			
FILTER			
OIL CHANGED	Changed	Not Changed	Changed
WO NUMBER			

Metals (ppm)

Iron (Fe)	8	9	7
Chromium (Cr)	<1	<1	<1
Lead (Pb)	7	6	2
Copper (Cu)	2	2	8
Tin (Sn)	1	<1	<1
Aluminium (Al)	4	6	6
Nickel (Ni)	<1	<1	<1
Silver (Ag)	<1	<1	<1
Titanium (Ti)	<1	<1	<1
Vanadium (V)	<1	<1	<1

Contaminants (ppm)

Silicon (Si)	6	20	8
Sodium (Na)	<1	2	4
Potassium (K)	4	<1	<1

Additives (ppm)

Magnesium (Mg)	14	16	21
Calcium (Ca)	1479	1575	1551
Barium (Ba)	<1	<1	<1
Phosphorus (P)	294	320	311
Zinc (Zn)	377	416	400
Molybdenum (Mo)	376	417	399
Boron (B)	<5	<5	<5

Contaminants

Water (%)	<0.05	<0.05	<0.05
Coolant	No	No	No

Physical Tests

Viscosity (cSt 100C)	15.0	14.0	13.5
Solids (%)	0.1	0.1	0.1

Physical / Chemical

Initial pH	2.6	3.7	6.7
Acid Number (mgKOH/g)	2.17	3.81	3.21
Oxidation (Abs/0.1mm)	16	15	11
E2412/D7414			
Nitration (Abs/0.1mm) E2412	10	9	6



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UIN 07C007E

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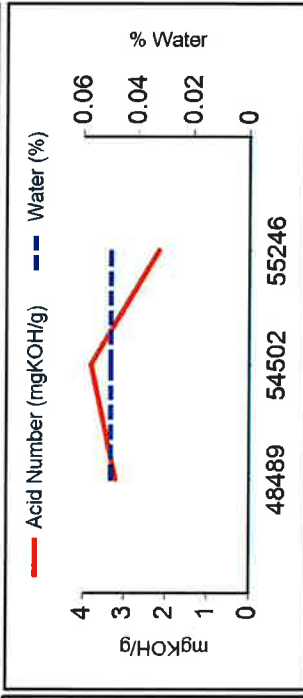
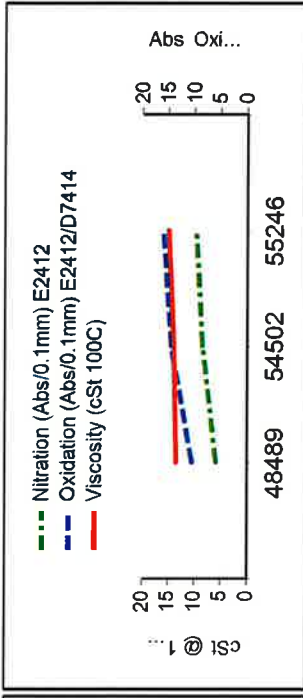
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 Kuala Lumpur, Singapore

Europe
 Prague

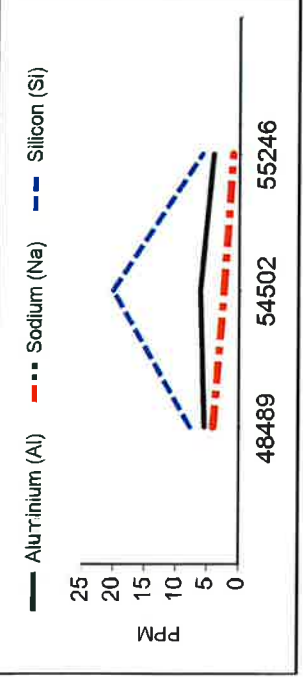
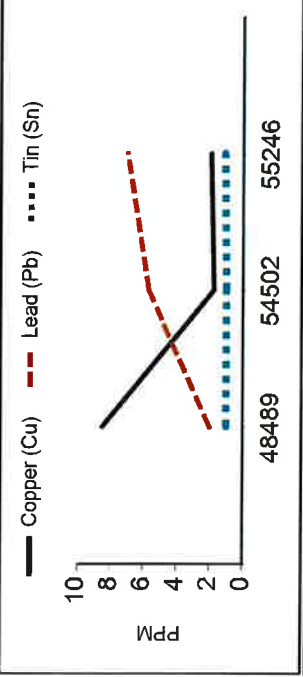
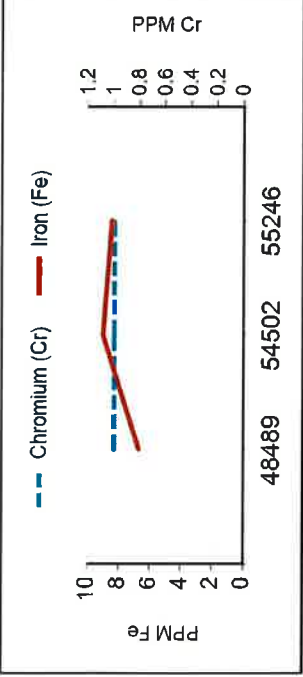
TEST METHODS:

Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896 (*M)
Fuel Dilution by GC:	ASTM D7593
Fuel Dilution Visc/Setflash	In House
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Soot by FTIR:	ASTM D7844
Glycol:	In House
Metals by ICP AES:	ASTM D5185 (*M)
Ox, NOx, SOx, FTIR:	ASTM E2412/D7418/D7414 D7415
PQ Index:	ASTM D8120 (*M)
Particle Count:	ASTM D7647 (*M) / ISO 4406
Viscosity:	ASTM D445 (*M) / D7279 (*M)
Water KF:	D6304 / E203 (*M)
Water Crackle:	In House

*M - Modified Method



Filter patch test is not performed Contact laboratory for more information



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Beacon West Energy Group LLC Grace
 Attn: Justin Robarge
 Export Platform Grace
 Attn: Justin Robarge & Austin Wright
 2661 Carpinteria Ave
 Carpinteria CA 93013
 USA



40 CFR PART 63 SUBPART ZZZZ
MAINTENANCE PLAN

PLATFORM GRACE

DATE: 8/25/2020
HOURS: 2600
MECHANIC: David Ramos

ARE DROP DOWN BOXES

(HRS OR ANNUAL SERVICE)

INSPECT/CHANGED HOSES AND BELTS	Yes
COMMENTS:	
AIR FILTERS:	Yes
COMMENTS:	
FUEL FILTERS	Yes
COMMENTS:	
OIL FILTERS:	Yes
COMMENTS:	
CRANK CASE OIL:	Yes
COMMENTS:	
Oil ANALYSIS	No
COMMENTS:	

Comments

Signature *David Ramos*

(A) IF OPERATING HOURS ATTAINED PRIOR TO 12 MONTHS SINCE LAST SERVICE, PERFORM A OIL ANALYSIS BEFORE CHANING THE OIL.




www.quantumairlab.com

1210 E. 223rd Street, Suite #314 • Carson, California 90745 • 310/830-2226 • Fax 310/830-2227

CLIENT: Oilfield Environmental & Compliance, Inc.
LABORATORY NO: 20-249
SAMPLING DATE: 03/17/20
RECEIVING DATE: 03/18/20
ANALYSIS DATE: 03/18/20
REPORT DATE: 03/19/20

Laboratory Analysis Report

Analysis Method	SCAQMD 307-91		
Detection Limits	0.05PPMV		
Analyte	Client ID	2001448-01	2001448-02
	Sampling Date	03/17/20	03/17/20
	Sampling Time	1030	1035
	Lab ID	07820-2	07820-3
	Units	PPMV	PPMV
	Hydrogen Sulfide	<0.05	<0.05
Carbonyl Sulfide	<0.05	<0.05	
Methyl Mercaptan	<0.05	<0.05	
Ethyl Mercaptan	<0.05	<0.05	
Un-Identified S Compounds	0.52	0.58	
Total Sulfur as H₂S	0.52	0.58	



Dr. Andrew Kitto
President



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CLIENT: Oilfield Environmental & Compliance, Inc.
LABORATORY NO: 20-249
SAMPLING DATE: 03/17/20
RECEIVING DATE: 03/18/20
ANALYSIS DATE: 03/18/20
REPORT DATE: 03/19/20

Quality Assurance Report

Duplicate Analysis

Sample ID: 2001448-02

Lab ID: 07820-3

Analysis Method		SCAQMD 307-91		
Detection Limit		0.05 PPMV		
Analyte	Aver. Conc. PPMV	Dil. Factor Ambient Air	DF*A/CF PPMV	% Sample Recovery
Hydrogen Sulfide	<0.05	1	<0.05	N/A
Carbonyl Sulfide	<0.05	1	<0.05	N/A
Methyl Mercaptan	<0.05	1	<0.05	N/A
Ethyl Mercaptan	<0.05	1	<0.05	N/A
Unidentified S Compounds	0.56	1	0.53	95.5
Total Sulfur as H2S	0.56	1	0.53	95.5

N/A: Not Applicable



Dr. Andrew Kitto
President



Oilfield Environmental & Compliance, Inc.

Beacon West - Carpinteria
5675 Carpinteria Ave.
Carpinteria CA, 93013

Project: Annual SCAQMD Samples
Project Number: Annual Platform Grace T-13 Produced Water & Fuel G
Project Manager: John Garnett

WO & Reported:
2001448
03/27/2020 13:30

ANALYTICAL REPORT FOR SAMPLES 2001448-03 (Produced Water) T-13 Produced Water

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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ROC Volatile by GC/MS

									PH
ROC (C3-C10)	ND	50	ug/L	1	B0C0680	03/25/20	03/25/20	EPA 8260B Mod.	TPH-Samp
Surrogate: Dibromofluoromethane		94 %	(87 - 121)		"	"	"	"	
Surrogate: Toluene-d8		100 %	(76 - 120)		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	(76 - 131)		"	"	"	"	

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



Letter of Conformance

April 14, 2021

This is to certify that the CARB Ultra Low sulfur dyed Diesel Fuel sold and delivered to Beacon West Energy Group, LLC Platform Gail & Grace from 1/1/2020-3/31/2021.

Was in compliance with South Coast Air Quality Management District requirements for Ventura and Santa Barbara Counties. The test Results meet ASTM D-5453 and are Typical of all CARB Ultra Low Sulfur Dyed Diesel Fuel sold by SC Fuels. The sulfur Content is guaranteed to be less than .0015%. (15PPM) The high heat content is typically in the 19,950-20,200 BTU per pound range.

Terri Merritt

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