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May 20, 2010

Mr. Keith Duval
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**Re: Part 70 Annual Compliance Certification Report for Platform Grace -
Reporting Period of April 1, 2009 through March 31, 2010**

Dear Mr. Duval:

Pursuant to the requirements of the Title V Part 70 Federal Operating Permit No. 1493, Venoco, Inc. is submitting the Platform Grace Part 70 Annual Compliance Certification Report for the reporting period of April 1, 2009 through March 31, 2010.

If you have questions or need additional information, please call me at (805) 745-2264.

Sincerely,

Patrick T. Corcoran
Environmental Coordinator

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:

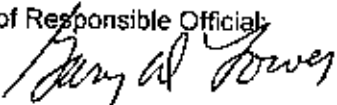
Mr. Gerardo Rios, Chief
Permits Office (AIR-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

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: OPERATIONS MANAGER	Date: May 20, 2010
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Time Period Covered by Compliance Certification <u>04/01/2009</u> (MM/DD/YY) to <u>03/31/2010</u> (MM/DD/YY)



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: 71.1N1	D. Frequency of monitoring: Quarterly
B. Description: Tanks that are equipped with vapor recovery	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: 71.4N3	D. Frequency of monitoring: Annually
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	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: 74.9N3	D. Frequency of monitoring: Biennial Source Tests
B. Description: Stationary Natural Gas-Fired Rich-Burn I C Engines – NO _x , ROC, and CO emission limits after January 1, 1997.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100, EPA Method 25
C. Method of monitoring: Biennial source test of the generator engines. Engine inspections per the Engine Operator Inspection Plan.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

<p>A. Attachment # or Permit Condition #: 74.9N7</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 #: 74.9N8</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 #: 74.9N9</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 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: ATCM ENG.N3	D. Frequency of monitoring: Periodic
B. Description: All stationary compression ignition engines	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that monthly fuel consumption records and fuel type records are maintained. ATCM omission standards are not federally enforceable.	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 1	D. Frequency of monitoring: Periodic
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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 2	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Generators shall only burn natural gas and no other fuel.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Routine surveillance to ensure only natural gas is used. Annual compliance that only natural gas was burned in generators.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 3	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Maximum number of oil wells (16). Platform Grace currently has 11 oil well completions.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: 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.	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 4	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Maximum sulfur content of diesel fuel consumed in the crane engines, G-5B turbine starter engines, Generators, backup generator engine, and the boats.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Records of certifications from the fuel supplier documenting the sulfur content of each diesel fuel delivery are maintained	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 5	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Crew boat and work boat emission limits	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: 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.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 6	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Crew boat permitted engines	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 7	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Work boat permitted engines	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC1-Condition No. 8	D. Frequency of monitoring: Periodic
B. Description: Platform Grace Additional Requirements - Solvent Recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: PO1493PC2-Conditions Nos. 1 and 4	D. Frequency of monitoring: Periodic
B. Description: Flare fuel consumption	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC2-Conditions Nos. 2 and 3	D. Frequency of monitoring: Monthly
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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC3	D. Frequency of monitoring: Periodic
B. Description: Caterpillar Diesel Backup Generator operation.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: PO1493PC4	D. Frequency of monitoring: Periodic
B. Description: Tanks designated as out of service on the permit are shut down and cannot be operated.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: PO1493PC5	D. Frequency of monitoring: Biennial
B. Description: Stationary Natural Gas-Fired Rich-Burn I C Engines – BACT NO _x , ROC, and CO emission limits. CAM Requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100, EPA Method 25
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. Daily portable analyzer readings are attached.	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

A. Attachment # or Permit Condition #: PO1493PC6	D. Frequency of monitoring: Annual
B. Description: Crane fuel consumption	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

<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 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: 54.B.2 (OCS)	D. Frequency of monitoring: Periodic
B. Description: Sulfur Compounds – Sulfur emission concentration requirements at ground level	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that records of each planned and unplanned flaring event are maintained. A representative fuel analysis is being maintained.	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

A. Attachment # or Permit Condition #: 57.1	D. Frequency of monitoring: None
B. Description: Combustion contaminants requirements – Specific – Fuel burning equipment	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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% CO ₂ at standard conditions.	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

A. Attachment # or Permit Condition #: 64.B.1	D. Frequency of monitoring: Annually
B. Description: Gaseous fuel sulfur compounds concentration requirements for all combustion emissions units at this facility combusting gaseous fuel.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual fuel analysis of the total sulfur content measured as hydrogen sulfide using SCAQMD Method 307-94.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: 64.B.2	D. Frequency of monitoring: Periodic
B. Description: Solid or liquid fuel sulfur compounds concentration requirements for all combustion emissions units at this facility combusting solid or liquid fuel.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Fuel supplier's certifications containing fuel sulfur content by weight for each fuel delivery are maintained.	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

A. Attachment # or Permit Condition #: 71.1.C	D. Frequency of monitoring: Quarterly
B. Description: 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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: 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.	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

A. Attachment # or Permit Condition #: 71.4.B.1	D. Frequency of monitoring: None
B. Description: First stage sump prohibition	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that there are no first stage production sumps at the facility.	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



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

<p>A. Attachment # or Permit Condition #: 71.4.B.3</p>	<p>D. Frequency of monitoring:</p> <p>None</p>
<p>B. Description:</p> <p>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:</p> <p>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></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 #: 74.6</p>	<p>D. Frequency of monitoring:</p> <p>Periodic</p>
<p>B. Description:</p> <p>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:</p> <p>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></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 #: 74.10</p>	<p>D. Frequency of monitoring:</p> <p>Daily, Weekly, Quarterly, Annually</p>
<p>B. Description:</p> <p>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:</p> <p>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></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 / 09 to 03 / 31 / 10

<p>A. Attachment # or Permit Condition #: <u>74.11.1</u></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 #: <u>74.22</u></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 #: <u>74.1</u></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>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 09 to 03 / 31 / 10

A. Attachment # or Permit Condition #: 74.2	D. Frequency of monitoring: Periodic
B. Description: Architectural coating requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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).	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

A. Attachment # or Permit Condition #: 74.16	D. Frequency of monitoring: None
B. Description: Oilfield Drilling Operations	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	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

A. Attachment # or Permit Condition #: 40CFR.61.M	D. Frequency of monitoring: None
B. Description: National Emissions Standards for Asbestos	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that inspection procedures outlined in 40 CFR Part 61.145 are met.	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

Engine DATA

- CAM
- Maintenance
- ST DATA



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 09 (MM/DD/YY) to 03 / 31 / 10 (MM/DD/YY)

A. Emission Unit Description: Generator G-1A			B. Pollutant: NOX
C. Measured Emission Rate: 1.6 ppmv @ 15% O ₂	D. Limited Emission Rate: 5 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 22012	F. Test Date: 01/13/2010

A. Emission Unit Description: Generator G-1A			B. Pollutant: CO
C. Measured Emission Rate: 13 ppmv @ 15% O ₂	D. Limited Emission Rate: 71 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 22012	F. Test Date: 01/13/2010

A. Emission Unit Description: Generator G-1A			B. Pollutant: ROC
C. Measured Emission Rate: <0.5 ppmv @ 15% O ₂	D. Limited Emission Rate: 14 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 22012	F. Test Date: 01/13/2010

A. Emission Unit Description: Generator G-1B			B. Pollutant: NOX
C. Measured Emission Rate: 0.9 ppmv @ 15% O ₂	D. Limited Emission Rate: 5 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 22012	F. Test Date: 01/13/2010

A. Emission Unit Description: Generator G-1B			B. Pollutant: CO
C. Measured Emission Rate: 8.7 ppmv @ 15% O ₂	D. Limited Emission Rate: 71 ppmv @ 15% O ₂	E. Specific Source Test or Monitoring Record Citation: AIR-X Job # 22012	F. Test Date: 01/13/2010



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 09 (MM/DD/YY) to 03 / 31 / 10 (MM/DD/YY)

A. Emission Unit Description: Generator G-1B		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 # 22012	F. Test Date: 01/13/2010

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

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: SVA0058

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 conducted on 01/13/2010. This report was previously submitted to the District. Enclosed are summary of results.

Service Report



3500 Sheppard St., Whittier, CA 90601

562-463-6000

Customer	VENOCO PLATFORM "GRACE"		
Site	Carpentaria work Pier		
Date	12-7 & 8-09	Job Number	WX25386
Engine MFG	CAT	Generator MFG	CAT
Engine M/N	G399S1	Generator M/N	1200RPM
Engine S/N	49C0102 & 0128	Generator S/N	
Engine AR#		Generator AR#	4160VAC
Unit Hours	5223/5255	Technician	Jim Magnuson 8194

Part Number	Part Name	Qty	Desc Code	Group Number	Group Name	Product Inoperable?	Descriptive Comments (20 Spaces Max)
						Y N	
						Y N	
						Y N	
Description Codes	A-Structural B-Surface	C-Leaks D-Factory Assembly	E-System Malfunction F-Factory Shipping	G-General Repair H-Adjustment	K-Servicability M-Abuse	X-Operation Complaint	

- T/S as needed to get units 1a and 1b back on line

- 1) 12-7-09 Left for customer jobsite and was turned around approximately 1/2 way to pier for lack of shore boat availability.
- 2) 12-8-09 Traveled to customer jobsite, offloaded equipment to pier and checked in with security. Watched required safety video and boarded shore boat. Off loaded at platform and checked in with platform manager. Completed required platform orientation and safety procedures. Reviewed customer complaints with operations engineer.
- 3) GE489 power quality monitor had locked out unit 1B at the switchgear for a "phase differential fault". Reviewed platform load demands and noted in less than 1 hour of observation that phase "B" load imbalance varied from 5%-25% and at one point caused a voltage dip which effected power on the entire platform. Was able to verify that the high current in phase "B" was not being cause thru the emergency circuits as they have there own monitoring and the anomaly was not noted on that panel. To keep the platform on line it was decided that the parameters with in the switchgear needed to be opened up to prevent nuisance shut downs until the platform can be properly repaired. Changed the phase differential shut down value from 10% to 25%, although this unit runs thru a primary transformer it only shut down as it was programmed to do to protect the platform. These parameters should be

Customer

Technician

Service Report

OLIMPIA CAT

3500 Shepherd St., Whittier, CA 90601

562-263-6000

- returned to 10% ASAP after the load imbalance is located and corrected. Put unit on line and monitored, all OK.
- 4) Unit 1A- Found this unit partially disassembled. Completed MEGGAR testing of windings and noted all windings were within specs of 1 mega ohm or higher. Testing of PMG stator removed by customer showed a failed coil. Found PMG wiring connections were wrong. Corrected after testing, secured all wiring as needed. Found unit would not start after reassembly, traced to APCR control parameters had been zeroed during repairs. Re-installed base parameters and started unit, all output values were within normal specs. After unit came to normal operating temps unit was paralleled with 1B and put on line, all OK. Placed platform loads onto unit 1A and took 1B offline. Reviewed all repairs with onsite personnel.
- 5) Loaded equipment to next available shore boat and off loaded at pier. Return travel and complete reports

Customer

Technician

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 12/17/09 **UNIT;** G-1A

HOURS; 5392

MECHANIC; J. Payne

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES NO
COMMENTS: _____

CHANGE & CLEAN OIL FILTERS: YES NO
COMMENTS: _____

CHANGE CRANK CASE OIL: YES NO
COMMENTS: _____

REPLACE AIR FILTER: YES NO
COMMENTS: _____

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES NO
COMMENTS: _____ Replaced elements _____

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES NO
COMMENTS: _____

REPLACE O2 SENSOR YES NO
COMMENTS: _____

ADDITIONAL MAINTENANCE

DATE: 12/17/09 **HOURS:** 5392 **MECHANIC :** J. Payne
COMMENTS: installed air filter pre-cleaners

Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

Service Report



3500 Shepherd St., Whittier, CA 90601

562-483-6000

Customer	VENOCO		
Site	VENTURA CA, PLATFORM GRACE		
Date	12/29/09	Job Number	W25386
Engine M/N	G399SITA	Generator M/N	SR4
Engine S/N	UNIT G1B 49C01028	Generator S/N	4160VOLT
Hours	5267	Technicians	David Jackson

Part Number	Part Name	Qty	Desc Code	Group Number	Group Name	Product Inoperable?	Descriptive Comments (20 Spaces Max)
						Y N	
						Y N	
						Y N	

Description Codes	A-Structural B-Surface	C-Leaks D-Factory Assembly	E-System Malfunction F-Factory Shipping	G-General Repair H-Adjustment	X-Serviceability N-Abuse	X-Operation Complaint
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- 1) Arrived on platform on 12/29/09 and met with representatives from Venoco Corp. Discussed nature of job with customer and was informed that the G1B unit had been shutting down on phase differential current.
- 2) I accessed the GE489 relay and inspected the trip points for the differential current and found that they were @ 25%xCT with slope 1 @ 10% and slope 2 @ 20% and time delay @ 0 cycles. This is what it was set at back on 12/8/09 by another technician that was out for high B phase current.
- 3) After accessing the GE489 recorded events I found that unit had incurred 170 events and the last 10 events dating from 12/6/09 through current were all related to phase differential trips. Found that the last event indicated that the (A or load) A phase current was at 47amps the B phase was at 50 amps and the C phase was at 50 Amps. Then found that the (NA or generator current) indicated A phase current @ 46 Amps the B phase was at 50 Amps and the C phase was at 0 Amps. This was a 50 differential at C phase.
- 4) I secured unit to off position and depressed the emergency stop button and installed a lock out tag out on the control panel assembly.
- 5) I then removed the covers from the generator housing to gain access to the CT'S and wire connections. I found that the wire connection on the C phase CT on X1 was broken at the terminal connection and no longer making connection.
- 6) I removed the broken wire connection from the C phase CT and repaired with new wire terminal I also replaced the connection terminal on the X2 connection with new.

Page 1 of 2

Customer

Technician

Service Report



3500 Shepherd St., Whittier, CA 90601

562-483-6000

- 7) I reinstalled the covers back on the generator assembly and removed the lock out tag out assembly from unit.
- 8) Had operator start unit allowing the G1B unit to reach operating temperature. Once unit achieved operating temperature operator placed the unit in parallel with the G1A unit. Found unit operation was normal with amps at A phase @ 12 B phase @14 and C phase @14. Operator then placed the G1A unit in cool-down stop mode and the remaining load shifted to the G1B unit. Found unit operation normal with load at 26 Amps on A phase 28 Amps on B phase and 27 Amps on C phase.
- 9) Operator cycled the fire pump on platform to add additional load to unit and found all three legs were @ 42 44 & 45 Amps. Operator left unit on line and I monitored system for the remainder of the day on site.
- 10) It appears that the customer has been incurring two problems on site one for phase differential on unit G1B that was a power generation issue and the other a load issue on the platform due to high current draw at times and not specific to any unit. Customer is working with an electrical engineering firm on the intermittent load issue.
- 11) Customer will continue to monitor the G1B unit for the remainder of the week to insure that the differential issue is resolved.

Complete 12/29/09

Page 2 of 2

Customer

Technician

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 1-31-09 UNIT: G-1A

HOURS; 3634

MECHANIC: Rickman

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES__ NO__
COMMENTS: _____

CHANGE & CLEAN OIL FILTERS: YES__ NO__
COMMENTS: _____

CHANGE CRANK CASE OIL: YES__ NO__
COMMENTS: _____

REPLACE AIR FILTER: YES__ NO__
COMMENTS: _____

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES__ NO__
COMMENTS: _____

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES__ NO__
COMMENTS: _____

REPLACE O2 SENSOR YES__ NO__
COMMENTS: _____

ADDITIONAL MAINTENANCE

DATE: HOURS: MECHANIC : Rickman

COMMENTS: Changed valve cover gasket #2 left side, stopped leak.

Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

G-1A

SERVICE

DATE: 2/17/10

HOURS: 6169

MECHANIC: Jeff Payne

WORK PERFORMED: Replaced both carburetors with new assemblies. Adjusted carburetors and MEC-R to comply with rule 74.9.

PARTS USED: 9Y-5306 RIGHT CARBURETOR

9Y-5307 LEFT CARBURETOR

Condition PQ11493PCS

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

G-1A

Month: MAY

Year: 2009

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Initial Reading (ppmv @ 15% O2)		Time	Corrective Actions Taken <small>(In the event that initial test result is greater than 5 ppmv @ 15% O2)</small>		Secondary Reading (ppmv @ 15% O2) <small>(if needed)</small>		Tester's Initials
NOX	CO				NOX	CO	
1			Not in Service				
2			Not in Service				
3			Not in Service				
4			Not in Service				
5			Not in Service				
6			Not in Service				
7			Not in Service				
8			Not in Service				
9			Not in Service				
10			Not in Service				
11			Not in Service				
12			Not in Service				
13			Not in Service				
14			Not in Service				
15			Not in Service				
16			Not in Service				
17			Not in Service				
18			Not in Service				
19			Not in Service				
20			Not in Service				
21			Not in Service				
22			Not in Service				
23			Not in Service				
24			Not in Service				
25			Not in Service				
26			Not in Service				
27			Not in Service				
28			Not in Service				
29			Not in Service				
30			Not in Service				
31			Not in Service				

Condition FQ11493PC5

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

G-1A

Month: JUNE

Year: 2009

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 greater than 5 ppmv @ 15% O2)			Secondary Reading (ppmv @ 15% O2) (if needed)		
Day	Nox	CO	Time		Nox	CO	Time	Tester's Initials
1				Not in Service				
2				Not in Service				
3				Not in Service				
4				Not in Service				
5				Not in Service				
6				Not in Service				
7				Not in Service				
8				Not in Service				
9				Not in Service				
10				Not in Service				
11				Not in Service				
12				Not in Service				
13				Not in Service				
14				Not in Service				
15				Not in Service				
16				Not in Service				
17				Not in Service				
18				Not in Service				
19				Not in Service				
20				Not in Service				
21				Not in Service				
22				Not in Service				
23				Not in Service				
24				Not in Service				
25				Not in Service				
26				Not in Service				
27				Not in Service				
28				Not in Service				
29				Not in Service				
30				Not in Service				
31				Not in Service				

Condition PQ11493PC5

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

G-1A

MONTH: July

YEAR: 2009

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				Not in Service				
2				Not in Service				
3				Not in Service				
4				Not in Service				
5				Not in Service				
6				Not in Service				
7				Not in Service				
8				Not in Service				
9				Not in Service				
10				Not in Service				
11				Not in Service				
12				Not in Service				
13				Not in Service				
14				Not in Service				
15				Not in Service				
16				Not in Service				
17				Not in Service				
18				Not in Service				
19				Not in Service				
20				Not in Service				
21				Not in Service				
22				Not in Service				
23				Not in Service				
24				Not in Service				
25				Not in Service				
26				Not in Service				
27				Not in Service				
28				Not in Service				
29				Not in Service				
30				Not in Service				
31				Not in Service				

Condition FQ11493FC5

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

G-1A INITIAL NOX/CO TEST			Month: AUGUST	Year: 2009	G1-A			
Initial Reading (ppmv @ 15% O2)			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
Day	Nox	CO	Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O2)	Nox	CO	Time	Tester's Initials
1	1	30	4:26					WC
2	1	44	6:03					WC
3	1	34	5:44					WC
4	0	18	5:06					WC
5	1	43	8:12					WC
6	4	38	6:07					WC
7	1	33	5:16					WC
8				Not In Service				
9				Not In Service				
10				Not In Service				
11				Not In Service				
12				Not In Service				
13				Not In Service				
14				Not In Service				
15				Not In Service				
16				Not In Service				
17				Not In Service				
18				Not In Service				
19				Not In Service				
20				Not In Service				
21				Not In Service				
22				Not In Service				
23				Not In Service				
24				Not In Service				
25				Not In Service				
26				Not In Service				
27				Not In Service				
28				Not In Service				
29				Not In Service				
30				Not In Service				
31				Not In Service				

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

G-1A

Month: SEPTEMBER

Year: 2008

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)		Tester's Initials
Day	CO				CO	Time	
1	1	30	4:28				SM
2	1	44	6:03				WC
3	1	34	5:44				WC
4				Not in Service			WC
6	1	43	8:12				WC
8	4	38	5:07				WC
7	1	33	5:16				WC
8	1	31	5:50				WC
9	1	42	1:38				JP
10	1	16	2:04				JP
11	1	7	1:35				JP
12	1	9	2:44				JP
13	1	8	2:45				JP
14	1	14	1:41				JP
16	1	8	2:23				JP
16	1	73	4:59				WC
17	1	47	4:36				WC
18	1	81	4:59				WC
19	1	67	17:18				DA
20	1	63	8:13				WC
21	1	64	4:47				WC
22	1	75	6:01				WC
23	1	53	5:45				DG
24	1	50	2:50				DG
25	1	48	2:49				DG
26				Not in Service			
27				Not in Service			
28				Not in Service			
29				Not in Service			
30				Not in Service			
31				Not in Service			

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

G-1A

Month: MARCH

Year: 2010

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				Stand By				
2				Stand By				
3				Stand By				
4				Stand By				
5				Stand By				
6				Stand By				
7				Stand By				
8				Stand By				
9				Stand By				
10				Stand By				
11				Stand By				
12	1	24	6:06	G-1A Online 3-12-10				JP
13	4	14	6:08	G-1A Online 3-13-10				JP
14	1	42	2:08	G-1A Online 3-14-10				WC
15	1	62	4:42	G-1A Online 3-15-10				WC
16	1	58	1:00	G-1A Online 3-16-10				WC
17	1	45	1:20	G1A Online 3-17-10				DG
18	1	60	1:00	G1A Online 3-18-10				DG
19	1	6	7:00	G1A Online 3-19-10				JB
20	2	12	3:04	G-1A Online 2-20-10				DG
21	0	12	2:16	G-1A Online 2-21-10				DG
22				Stand By				
23				Stand By				
24				Stand By				
25				Stand By				
26				Stand By				
27				Stand By				
28				Stand By				
29	1	10	0:14	On line				JT
30	1	6	2:06	On line				JT
31	0	35	2:09	On line				DG

Condition PQ11493PC5

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

G-1A Month: October Year: 2009

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
Day	Initial Reading (ppmv @ 15% O ₂)		Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O ₂)	Nox	Secondary Reading (ppmv @ 15% O ₂) (If needed)		Tester's Initials
	Nox	CO				CO	Time	
1				STAND BY				
2				STAND BY				
3				STAND BY				
4				STAND BY				
5				STAND BY				
6				STAND BY				
7				STAND BY				
8				STAND BY				
9				STAND BY				
10				STAND BY				
11				STAND BY				
12				STAND BY				
13				STAND BY				
14				Maintenance Goes down on under voltage & frequency				
15				Maintenance Goes down on under voltage & frequency				
16				Maintenance Goes down on under voltage & frequency				
17				Maintenance Goes down on under voltage & frequency				
18				Maintenance Goes down on under voltage & frequency				
19				Maintenance Goes down on under voltage & frequency				
20				Maintenance Goes down on under voltage & frequency				
21				Maintenance Goes down on under voltage & frequency				
22				Maintenance Goes down on under voltage & frequency				
23				Maintenance Goes down on under voltage & frequency				
24				Maintenance Goes down on under voltage & frequency				
25				Maintenance Goes down on under voltage & frequency				
26				Maintenance Goes down on under voltage & frequency				
27				Maintenance Goes down on under voltage & frequency				
28				Maintenance Goes down on under voltage & frequency				
29				Maintenance Goes down on under voltage & frequency				
30				Maintenance Goes down on under voltage & frequency				
31				Maintenance Goes down on under voltage & frequency				

Condition PQ11493PCS

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

G-1A

Month: December

Year: 2009

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS	SECONDARY NOX/CO TEST			
Day	Initial Reading (ppmv @ 15%O ₂)		Time	Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O ₂)	Nox	Secondary Reading (ppmv @ 15% O ₂) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1				MAINTENANCE				
2				MAINTENANCE				
3				MAINTENANCE				
4				MAINTENANCE				
5				MAINTENANCE				
6				MAINTENANCE				
7				MAINTENANCE				
8	1	111	20:24					JT
9	1	118	3:10					JT
10	1	83	2:40					JT
11	1	87	2:33					JT
12	1	97	1:35					JT
13	1	89	2:26					JT
14	1	91	2:26					JT
15	1	88	1:24	AFR CONTROLLER ADJUSTMENTS	3	13	7:30	JT/JP
16				MAINTENANCE				
17				MAINTENANCE				
18				MAINTENANCE				
19				MAINTENANCE				
20				MAINTENANCE				
21	1	42	14:47					JR
22	1	17	4:00					DG
23	4	2	1:29					WC
24	2	1	4:24					WC
25	1	1	6:15					WC
26	2	2	17:18					WC
27	1	2	5:30					WC
28	2	3	2:00					WC
29	2	1	4:48					WC
30				STANDBY				
31				STANDBY				

Condition PQ11493PC5

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

G-1A

Month: Jan

Year: 2010

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)	Time	Tester's Initials
	Nox	CO						
1				STANDBY				
2				STANDBY				
3				STANDBY				
4				STANDBY				
5	3	1	2:04	ON LINE				JP
6	1	5	2:58					JT
7	2	1	2:59					JT
8	1	7	1:11					JT
9	1	1	2:35					JT
10				STANDBY				
11				STANDBY				
12	3	1	8:50	Source testing				JP
13	2	1	8:26	Source testing				JP
14				STANDBY				
15				STANDBY				
16				STANDBY				
17				STANDBY				
18	2	5	7:34	Swapped from G-1B @ 5:45				JP
19	1	20	2:58					DG
20	1	23	2:18	G-1A				JT
21	3	2	5:27	G-1A				WC
22	1	2	5:30	G-1A				WC
23	1	4	5:37	G-1A				WC
24	2	10	6:43	G-1A, (Swapped to G-1B @ 15:30 today)				WC
25				STANDBY				
26				STANDBY				
27				STANDBY				
28				STANDBY				
29	1	22	21:46	STANDBY / on line @ 20:00				JP
30	2	11	1:54	ON LINE				JP
31	3	23	1:59	ON LINE				JP

Condition PQ11493PC5

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

G-1A

Month: FEBRUARY

Year: 2010

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 6 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 16% O2) (if needed)	Time	Tester's Initials
Day	CO						
1	2	32	1:52	On line			JP
2	1	11	1:02	On line			JP
3	4	9	1:38	On line			JT
4	2	24	2:28	On line			JT
5	2	6	1:13	On line			JT
6	2	6	1:51	On line			JT
7	2	25	1:51	On line for 19 hours			JT
8	2	1	3:02	On line			JT
9	1	2	1:27	On line			JT
10				Standby			
11				Standby			
12				Standby			
13				Standby			
14				Standby			
15				Standby			
16				Standby			
17	1	2	21:25	swap from G-1B @ 20:00hrs			JP
18	1	7	1:25	On line			JP
19	2	1	1:58	On line			JP
20	2	4	1:35	On line			JP
21	1	10	1:36	On line			JP
22	1	2	1:52	On line			JP
23	0	5	1:57	On line			JP
24	1	8	1:51	On Line			JT
25	1	10	2:15	On Line			JT
26	1	2	1:47	On Line			JT
27	0	5	1:58	On Line			JT
28	3	4	1:08	On Line			JT
29							
30							
31							

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 conducted on 01/13/2010. This report was previously submitted to the District. Enclosed are summary of results.

G-1B

REPAIRS

2/9/2010

5753hrs

JEFF PAYNE

Oil leak

Filled crankcase with oil (was approximately 50 gallons low).

Ran and found accessory drive gear oil supply line on rear of front structure leaking and oil cooler supply line leaking at coupling. Remove accessory drive gear oil line and replaced mounting gasket and both nylon seal rings (nylon seal rings were washed out and broken). Removed and replaced oil cooler coupling assembly and elbow o-ring. Ran and checked for leaks. Ok. Replaced broken alternator drive belts. Replaced alternator belt guard with guard off G-1C do to broken mounting tab. Replaced all 4 ECM mounting pads (isolators) 3 out of 4 were broken and replaced ECM ground strap.

PARTS USED

3N-1322 COUPLING ASSEMBLY (1) 3P-6051 O-RING (1) oil cooler line

4L-3375 GASKET (1) 5N-4687 GASKET (16mm I.D. nylon) (1)

5N-4688 (13mm I.D. nylon) (1) accessory drive gear oil line

5L-3979 BELT (2) alternator belts

AI610125 MOUNTS (4) ECM isolators

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 3/13/2010

UNIT; G-1B

HOURS; 6225

MECHANIC: Jeff Payne

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES X NO
COMMENTS: _____

CHANGE & CLEAN OIL FILTERS: YES X NO
COMMENTS: _____

CHANGE CRANK CASE OIL: YES X NO
COMMENTS: _____

REPLACE AIR FILTER: YES X NO
COMMENTS: _____

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES X NO
COMMENTS: _____

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES NO X
COMMENTS: _____

REPLACE O2 SENSOR YES X NO
COMMENTS: _____

ADDITIONAL MAINTENANCE

DATE:3/13/2010

HOURS: 6225

MECHANIC : Jeff Payne

COMMENTS: changed SPINNER base out with base from G-1C, valve in old base
won't allow oil flow.

Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

Condition PQ11493PC5

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

G-1B

Month: APRIL

Year: 2008

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Day	Initial Reading (ppmv @ 16% O2)		Time	Corrective Actions Taken (in the event that initial test result is greater than 8 ppmv @ 16% O2)	Nox	Secondary Reading (ppmv @ 16% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1				G-1A				
2				Stand by				
3				Stand by				
4				Stand by				
6				Stand by				
8	2	1	20:52	G-1B AT 20:52				JT
7	0	15	2:44	G-1B				JT
8	0	3	5:25	G-1B				SM
9	0	2	5:45					SM
10	0	5	8:07					SM
11	0	2	5:14					SM
12	0	2	20:48					JP
13	0	8	5:11	G-1B				SM
14								
15								
16								
17								
18								
19								
20								
21				Stand by				
22				Stand by				
23				Stand by				
24				Stand by				
25				Stand by				
26				Stand by				
27				Stand by				
28				Stand by				
29				Stand by				
30				Stand by				

Condition FQ11493PCS

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

G-1B

Month: MAY

Year: 2008

INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
Initial Reading (ppmv @ 15% O ₂)		Time	Corrective Actions Taken (In the event that initial test results are greater than 8 ppmv @ 15% O ₂)	Nox	Secondary Reading (ppmv @ 15% O ₂) (If needed)		Tester's Initials
Day	Nox				CO	Nox	
1			Not in Service				
2			Not in Service				
3			Not in Service				
4			Not in Service				
5			Not in Service				
6			Not in Service				
7			Not in Service				
8			Not in Service				
9			Not in Service				
10			Not in Service				
11			Not in Service				
12			Not in Service				
13			Not in Service				
14			Not in Service				
15			Not in Service				
16			Not in Service				
17			Not in Service				
18			Not in Service				
19			Not in Service				
20			Not in Service				
21			Not in Service				
22			Not in Service				
23			Not in Service				
24			Not in Service				
25			Not in Service				
26			Not in Service				
27			Not in Service				
28			Not in Service				
29			Not in Service				
30			Not in Service				
31			Not in Service				

Condition PQ11493PC5

PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-1B)
DAILY CAM/RULE 74.9 MONITORING

G-1B

MONTH: JUNE

YEAR: 2009

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 6 ppmv @ 15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				Nox	CO	
1				Not in Service				
2				Not in Service				
3				Not in Service				
4				Not in Service				
5				Not in Service				
6				Not in Service				
7				Not in Service				
8				Not in Service				
9				Not in Service				
10				Not in Service				
11				Not in Service				
12				Not in Service				
13				Not in Service				
14				Not in Service				
15				Not in Service				
16				Not in Service				
17				Not in Service				
18				Not in Service				
19				Not in Service				
20	3	4	22:22					JP
21	0	6	2:02					JP
22	1	6	1:49					JP
23	1	3	1:23					JP
24	0	2	3:40					JT
25	0	0	3:01					JT
26				Not in Service				
27				Not in Service				
28				Not in Service				
29				Not in Service				
30				Not in Service				
31				Not in Service				

Condition PQ11493PCS

PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-1B)
DAILY CAM/RULE 74.9 MONITORING

G-1B

Month: JULY

Year: 2009

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)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO	Nox	CO	Nox	CO	
1				Not In Service			
2				Not In Service			
3				Not In Service			
4				Not In Service			
5				Not In Service			
6				Not In Service			
7				Not In Service			
8				Not In Service			
9				Not In Service			
10				Not In Service			
11				Not In Service			
12				Not In Service			
13				Not In Service			
14				Not In Service			
15				Not In Service			
16				Not In Service			
17				Not In Service			
18				Not In Service			
19				Not In Service			
20				Not In Service			
21				Not In Service			
22				Not In Service			
23				Not In Service			
24				Not In Service			
25				Not In Service			
26				Not In Service			
27				Not In Service			
28				Not In Service			
29				Not In Service			
30				Not In Service			
31				Not In Service			

Condition PQ11493PC5

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (G-1B)
 DAILY CAM/RULE 74.9 MONITORING

G-1B INITIAL NOX/CO TEST				Month: AUGUST	Year: 2009	G1-B			
Initial Reading (ppmv @ 15% O2)				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST			
				Corrective Actions Taken (In the event that initial test result is greater than 5 ppmv @ 15% O2)					
Day	Nox	CO	Time			Nox	CO	Time	Tester's Initials
1				Not in Service					
2				Not in Service					
3	0	38	17:00						
4	0	18	5:09						
5				Not in Service					
6				Not in Service					
7				Not in Service					
8				Not in Service					
9				Not in Service					
10				Not in Service					
11				Not in Service					
12				Not in Service					
13				Not in Service					
14				Not in Service					
15				Not in Service					
16				Not in Service					
17				Not in Service					
18				Not in Service					
19				Not in Service					
20				Not in Service					
21				Not in Service					
22				Not in Service					
23				Not in Service					
24				Not in Service					
25				Not in Service					
26				Not in Service					
27				Not in Service					
28				Not in Service					
29				Not in Service					
29				Not in Service					
30				Not in Service					
31				Not in Service					

Condition PQ11493PCS

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (G-1B)
 DAILY CAM/RULE 74.9 MONITORING

G-1B Month: SEPTEMBER Year: 2009

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 @ 16% O2)	Nox	Secondary Reading (ppmv @ 16% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1				Not in Service				
2				Not in Service				
3	0	38	17:00					WC
4	0	18	5:09					WC
5				Not in Service				
6				Not in Service				
7				Not in Service				
8				Not in Service				
9				Not in Service				
10				Not in Service				
11				Not in Service				
12				Not in Service				
13				Not in Service				
14				Not in Service				
15				Not in Service				
16				Not in Service				
17				Not in Service				
18				Not in Service				
19				Not in Service				
20				Not in Service				
21				Not in Service				
22				Not in Service				
23				Not in Service				
24				Not in Service				
25				Not in Service				
26				Not in Service				
27				Not in Service				
28				Not in Service				
29				Not in Service				
30				Not in Service				
31				Not in Service				

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (G-1B)
 DAILY CAM/RULE 74.9 MONITORING

G-1B

Month: OCTOBER

Year: 2009

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 @ 18% O2)			Secondary Reading (ppmv @ 15% O2) (if needed)		Time	Tester's Initials
Day	Nox	CO				Nox	CO		
1			STAND BY						
2			STAND BY						
3			STAND BY						
4			STAND BY						
5			STAND BY						
6			STAND BY						
7			STAND BY						
8			STAND BY						
9			STAND BY						
10			STAND BY						
11			STAND BY						
12			STAND BY						
13			STAND BY						
14			STAND BY						
15			STAND BY						
16			STAND BY						
17			STAND BY						
18			STAND BY						
19			STAND BY						
20			STAND BY						
21			STAND BY						
22			STAND BY						
23			STAND BY						
24			STAND BY						
25			STAND BY						
26			STAND BY						
27			STAND BY						
28			STAND BY						
29			STAND BY						
30			STAND BY						
31			STAND BY						

Condition PQ11493PC5

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-1B)
DAILY CAM/RULE 74.9 MONITORING**

G-1B

Month: November

Year: 2009

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

Condition PQ11493PC5

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (G-1B)
 DAILY CAM/RULE 74.9 MONITORING

G-1B

Month: December

Year: 2009

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 @ 16% O2)		Secondary Reading (ppmv @ 16% O2) (if needed)		Tester's Initials
	Nox	CO				Nox	CO	
1	1	8	23:58	STANDBY / MAINTENANCE				JP
2				STANDBY				JP
3	3	57	20:30	MAINTENANCE				JP
4				MAINTENANCE				JP
5				MAINTENANCE				JP
6				MAINTENANCE				JP
7				MAINTENANCE				JP
8				MAINTENANCE				
9				MAINTENANCE				
10				MAINTENANCE				
11				MAINTENANCE				
12				MAINTENANCE				
13				MAINTENANCE				
14				MAINTENANCE				
15	1	41	13:38					JP
16				MAINTENANCE				DG
17				MAINTENANCE				DG
18	2	34	13:24					JR
19	2	24	11:13					JR
20				MAINTENANCE				DG
21				MAINTENANCE				DG
22				MAINTENANCE				DA
23				MAINTENANCE				DA
24				MAINTENANCE				
25				MAINTENANCE				
26				MAINTENANCE				
27				MAINTENANCE				
28				MAINTENANCE				
29				MAINTENANCE				
30	1	2	2:09	Online				JP
31	2	28	1:44	Online				JP

PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-1B)
DAILY CAM/RULE 74.9 MONITORING

G-1B

Month: JANUARY

Year: 2010

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS	SECONDARY NOX/CO TEST			Tester's Initials
Dsy	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is greater than 6 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		
	Nox	CO				CO	Time	
1	1	22	2:22	ON LINE				JP
2	1	12	2:07	ON LINE				JP
3	0	2	1:52	ON LINE				JP
4	2	3	3:02	ON LINE				JP
5				STANDBY				
6				STANDBY				
7				STANDBY				
8				STANDBY				
9	0	21		swapped over to G-1B @ 19:00				JT
10	1	26		ON LINE				JT
11	1	50		ON LINE				JT
12	1	70	2:31	Source Testing				JT
13	0	10	5:42	Source Testing				DG
14	3	3	4:08	ON LINE				DG
15	0	6	4:19	ON LINE				DG
16	0	7	4:53	ON LINE				DG
17	0	6	4:21	ON LINE				DG
18	0	6	1:48	ON LINE				DG
19				STANDBY				
20				STANDBY				
21				STANDBY				
22				STANDBY				
23				STANDBY				
24	0	6	15:51	G-1B				WC
25	0	4	4:48	G-1B				WC
26	0	7	3:36	G-1B				WC
27	2	13	1:24	ON LINE				JP
28	1	17	1:54	ON LINE				JP
29	1	20	1:20	ON LINE / placed on standby @ 23:00				JP
30				STANDBY				
31				STANDBY				

PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-1B)
DAILY CAM/RULE 74.9 MONITORING

G-1B Month: MARCH Year: 2010

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 4 ppmv @ 15% O2)		Secondary Reading (ppmv @ 16% O2) (If needed)		Tester's Initials
Day	Nox				Nox	CO	
1	1	3	1:34	3/1/2010			JT
2	0	11	1:53	On line			JT
3	0	3	3:08	On line			DG
4	2	3	2:38	On line			DG
5	0	3	1:30	On line			DG
6	0	4	2:49	On line			DG
7	0	1	1:48	On line			DG
8	0	2	1:01	On line			DG
9	0	2	1:24	On line			JP
10	0	1	3:55	G-1B On line 3-10-10			WC
11	0	2	4:55	G-1B On line 3-11-10			WC
12							
13							
14							
15							
16	0	12	2:18	on line			DG
17	0	0	3:10	on line			DG
18	0	14	6:02	on line			DG
19	0	24	1:10	on line			JT
20	1	1	1:48	On line			JT
21	0	4	2:18	On line			JT
22	1	3	1:57	On line			JT
23	2	1	1:38	On line			JT
24				Stand by			
25				Stand by			
26				Stand by			
27				Stand by			
28				Stand by			
29				Stand by			
30				Stand by			
31				Stand by			

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:

- Service records are attached.

Source Test Report: G-03 was taken out of service in January 2010. No source test was conducted in 2010.

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 6-20-2009 UNIT; G-3

HOURS; 46197.9

MECHANIC: RICKMAN/PAYNE

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES NO
COMMENTS: #5 plug shows heavy scale and grey soot residue.

CHANGE & CLEAN OIL FILTERS: YES NO
COMMENTS: Changed sock filters and cleaned spinner and added paper filter.

CHANGE CRANK CASE OIL: YES NO
COMMENTS:

REPLACE AIR FILTER: YES NO
COMMENTS: Changed air filter and installed pre filter element.

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES NO
COMMENTS:

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES NO
COMMENTS: Installed fresh catalyst elements, one new and one acid washed catalyst element.

REPLACE O2 SENSOR YES NO
COMMENTS: Replaced both O2 sensors.

ADDITIONAL MAINTENANCE

DATE: 6-20-2009 HOURS: 46197.9 MECHANIC : RICKMAN/PAYNE
COMMENTS: Removed radiator shroud, pressure/steam washed radiator from outside in and inside out. Jacket water temp dropped about 35 degrees, now running at about 165-170, instead of the 200-205. Tightened fan belts. Steam cleaned engine.

Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 8/31/09 UNIT; G-3

HOURS; 47794.2

MECHANIC: Payne / Rickman

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES NO
COMMENTS: _____

CHANGE & CLEAN OIL FILTERS: YES NO
COMMENTS: _____

CHANGE CRANK CASE OIL: YES NO
COMMENTS: _____

REPLACE AIR FILTER: YES NO
COMMENTS: Replaced pre-cleaner

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES X NO
COMMENTS: _____

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES NO
COMMENTS: _____

REPLACE O2 SENSOR YES NO
COMMENTS: _____

ADDITIONAL MAINTENANCE

DATE: 8/31/09 HOURS: 47794.2 MECHANIC : Payne / Rickman
COMMENTS: rebuilt fuel valve, replaced TK valve, replaced exhaust spool between elbow & 1st cat. Element.
Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 12/03/2009 **UNIT;** G-3

HOURS; 49432

MECHANIC: J. Payne

1500 HOUR SERVICE

REPLACE SPARK PLUGS: YES NO
COMMENTS: _____

CHANGE & CLEAN OIL FILTERS: YES NO
COMMENTS: _____

CHANGE CRANK CASE OIL: YES NO
COMMENTS: _____

REPLACE AIR FILTER: YES NO
COMMENTS: _____

REMOVE, BLOW OUT AND TURN CATALYST ELEMENTS: YES NO
COMMENTS: _____

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: YES NO
COMMENTS: _____

REPLACE O2 SENSOR YES NO
COMMENTS: Threads pulled from elbow at turbo

ADDITIONAL MAINTENANCE

DATE: 12/04/09 **HOURS:** 49432 **MECHANIC :** J. Payne
COMMENTS;

Per APCD rules & regulation, 74.9, Stationary Internal Combustion Engine.

**PLATFORM GRACE
GENERATOR SERVICE**

DATE; 12/18/09 UNIT; G-3

HOURS; 49432

MECHANIC: J. Payne

TURBO REPLACEMENT

COMMENTS: Turbo had compressor wheel damage on the exhaust side. Replaced turbo, inlet elbow, outlet elbow, waste gate, rubber fresh air elbow, crank case breather assembly and all necessary hardware.

G-3

REPAIRS

Date: 2/14/2010

Hours: 49461hrs

Mechanic: Jeff Payne

Service work performed:

Fabricated and installed mounting bracket and control box for starter bypass. Installed and wired magnetic switch and push button in control panel. This now lets us rotate the engine while running the pre-lube pump without having to turn on the ignition circuit. This will lubricate the complete engine now without having possible compliance issues. The fuel system is blind flanged misaligned and ignition won't be turned on for this routine maintenance.

Condition PQ11493PCS

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (C-03)
 DAILY CAM/RULE 74.9 MONITORING

G-3 Month: May Year: 2009

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 9 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (If needed)		Time	Tester's Initials
Day	NOX				CO	CO		
1	2	285	1:50					JT
2	2	1178	4:18					JT
3	2	291	5:20					JT
4	2	184	4:28					JT
6	1	892	3:41					JT
8	8	820	3:14					SM
7	7	330	10:21					JP
8	8	438	13:24					JP
9	8	774	8:51					JP
10	8	270	4:33					JP
11	8	1192	5:10					SM
12	8	865	3:28					SM
13	5	740	4:27					WC
14	2	1011	8:23					JT
15	2	399	4:52					WC
16	2	502	0:00					WC
17	2	137	4:56					WC
18	2	178	6:22					WC
19	2	942	5:41					WC
20	2	380	1:41					JP
21	3	721	0:45					JP
22	6	281	0:42					JP
23	6	681	0:55					JP
24	3	508	1:23					JP
25	6	354	0:59					JP
26	6	426	0:40					JP
27	2	324	3:28					JT
28	1	415	3:32					JT
29	1	832	2:57					JT
30	1	283	3:03					JT
31	1	313	3:48					JT

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3 Month: JULY Year: 2009

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 8 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed) CO	Time	Tester's initials
Day	NOX						
1	2	145	2:49				JP
2	2	191	2:48				JP
3	2	273	1:52				JP
4	3	505	0:55				JP
5	6	336	1:30				JP
6	2	684	1:50				JP
7	3	179	1:12				JP
8	2	742	5:24				WC
9	2	604	6:13				WC
10	2	492	3:52				WC
11	3	234	5:24				WC
12	3	681	6:00				WC
13	2	308	5:18				WC
14	6	357	4:57				WC
15	6	580	1:09				JP
16	4	278	1:52				JP
17	5	324	1:09				JP
18	4	177	1:50				JP
19	6	290	1:51				JP
20	7	222	1:57				JP
21	7	860	1:09				JP
22	9	318	2:58				JT
23	8	273	2:48				JT
24	9	281	2:02				JT
25	8	611	2:34				JT
26	8	831	2:02				JT
27	6	90	2:14				JT
28	7	325	4:02				SM
29	4	333	4:48				SM
30	9	398	4:47				SM
31	14.6	408	4:51	uncorrected, O2 sensor failed (corrected extrapolated nox 5, Co200) new sensor ordered 7-31-09 (JR)			SM

Condition PQ11493PC5

PLATFORM GRACE
 773 WAUKESHA GENERATOR ENGINE (G-03)
 DAILY CAM/RULE 74.9 MONITORING

G-3 Month: AUG Year: 2009

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 9 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed) CO	Time	Tester's Initials
	Nox	CO						
1	8		18:58	O2 sensor failed GAIL TESTO no CO printout				SM
2	9		2:33	O2 sensor failed GAIL TESTO no CO printout				SM
3	6	499	14:50					JR
4	8	351	3:52					SM
5	7	477	4:42					WC
6	4	235	5:49					WC
7	6	288	5:14					WC
8	9	292	4:08					WC
9	9	398	8:40					WC
10	4	348	6:10					WC
11	7	331	7:17					WC
12	7	673	1:23					JP
13	3	781	1:45					JP
14	3	320	2:01					JP
15	1	572	1:43					JP
16	2	168	1:38					JP
17	6	456	1:35					JP
18	6	623	1:05					JP
19	5	893	5:33					WC
20	2	826	2:32					WC
21	3	326	18:07					WC
22	3	214	6:55					JP
23	5	744	5:30					WC
24	6	107	9:38					JP
25	7	111	7:12					JP
26	4	528	3:54					SM
27	7	217	4:40					SM
28	8	288	4:55					SM
29	7	783	5:15					SM
30	8	84	4:38					SM
31	9	1400	4:37					SM

Condition PQ11493PC5

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3 Month: **SEPTEMBER** Year: **2009**

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 9 ppmv @ 15% O2)	Secondary Reading (ppmv @ 15% O2) (if needed)		Time	Tester's Initials	
Day	Nox			CO	Nox			CO
1			Not In Service					
2			Not In Service					
3			Not In Service					
4			Not In Service					
5			Not In Service					
6			Not In Service					
7			Not In Service					
8			Not In Service					
9			Not In Service					
10			Not In Service					
11			Not In Service					
12			Not In Service					
13			Not In Service					
14			Not In Service					
15			Not In Service					
16			Not In Service					
17			Not In Service					
18			Not In Service					
19			Not In Service					
20			Not In Service					
21			Not In Service					
22			Not In Service					
23			Not In Service					
24			Not In Service					
25			Not In Service					
26	7	449	16:18				JP	
27	9	1278	5:59				DG	
28	4	835	6:07				DG	
29	7	758	4:08				DG	
30	4	283	2:44				JT	
31								

Condition PQI1493PC5

PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING

G-3 Month: **OCTOBER** Year: **2009**

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 9 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (If needed)		Tester's Initials
	Nox	CO				CO	Time	
1	6	305	4:01	G-3				JT
2	3	292	4:51	G-3				JT
3	5	377	3:45	G-3				JT
4	5	430	3:23	G-3				JT
5	6	374	1:36	G-3				JT
6	5	371	1:27	G-3				JT
7	4	504	2:28	G-3				JP
8	2	669	2:14	G-3				JP
9	4	262	1:35	G-3				JP
10	4	92	2:12	G-3				JP
11	7	397	2:02	G-3				JP
12	5	388	1:34	G-3				JP
13	3	601	1:51	G-3				JP
14	6	520	8:30	G-3				JT
15	4	443	8:44	G-3				WC
16	2	295	5:22	G-3				WC
17	8	875	1:21	G-3				WC
18	6	1063	5:42	G-3				WC
19	8	431	5:31	G-3				WC
20	7	792	0:44	G-3				WC
21	8	825	4:34	G-3				DG
22	9	293	3:38	G-3				DG
23	9	622	5:16	G-3				DG
24	6	641	4:00	G-3				DG
25	9	1114	2:22	G-3				DG
26	7	922	3:48	G-3				DG
27	6	522	6:01	G-3				SG
28	6	603	3:17	G-3				JT
29	5	322	2:04	G-3				JT
30	5	784	3:31	G-3				JT
31	8	729	2:35	G-3				JT

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3 Month: DECEMBER Year: 2009

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 9 ppmv @ 15% O2)	Secondary Reading (ppmv @ 15% O2) (If needed)		Time	Tester's Initials	
Day	Nox			CO	Nox			CO
1	4	381	5:28				WC	
2	4	165	2:37				JP	
3	3	68	3:04				JP	
4				DOWN FOR MAINTENANCE			JP	
5				DOWN FOR MAINTENANCE			JP	
6				DOWN FOR MAINTENANCE			JP	
7				DOWN FOR MAINTENANCE			JP	
8				DOWN FOR MAINTENANCE				
9				DOWN FOR MAINTENANCE				
10				DOWN FOR MAINTENANCE				
11				DOWN FOR MAINTENANCE				
12				DOWN FOR MAINTENANCE				
13				DOWN FOR MAINTENANCE				
14				DOWN FOR MAINTENANCE				
15				DOWN FOR MAINTENANCE			DG	
16				DOWN FOR MAINTENANCE			DG	
17				DOWN FOR MAINTENANCE			DG	
18				DOWN FOR MAINTENANCE			DG	
19				DOWN FOR MAINTENANCE			DG	
20	1	434	14:19	Unloaded/Loaded	6	17 14:47	JP/JR	
21	2	203	4:57				DG	
22				Standby				
23				Standby				
24				Standby				
25				Standby				
26				Standby				
27				Standby				
28				Standby				
29				Standby				
30				Standby				
31				Standby				

Condition PQ11493PC5

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3

Month: January

Year: 2010

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

Condition PQ11493PC5

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3

Month: FEB

Year: 2010

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 9 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1				OUT OF SERVICE				
2				OUT OF SERVICE				
3				OUT OF SERVICE				
4				OUT OF SERVICE				
5				OUT OF SERVICE				
6				OUT OF SERVICE				
7				OUT OF SERVICE				
8				OUT OF SERVICE				
9				OUT OF SERVICE				
10				OUT OF SERVICE				
11				OUT OF SERVICE				
12				OUT OF SERVICE				
13				OUT OF SERVICE				
14				OUT OF SERVICE				
15				OUT OF SERVICE				
16				OUT OF SERVICE				
17				OUT OF SERVICE				
18				OUT OF SERVICE				
19				OUT OF SERVICE				
20				OUT OF SERVICE				
21				OUT OF SERVICE				
22				OUT OF SERVICE				
23				OUT OF SERVICE				
24				OUT OF SERVICE				
25				OUT OF SERVICE				
26				OUT OF SERVICE				
27				OUT OF SERVICE				
28				OUT OF SERVICE				
29				OUT OF SERVICE				
30				OUT OF SERVICE				
31				OUT OF SERVICE				

Condition PQ11493PC5

**PLATFORM GRACE
773 WAUKESHA GENERATOR ENGINE (G-03)
DAILY CAM/RULE 74.9 MONITORING**

G-3

Month: MARCH

Year: 2010

INITIAL NOX/CO TEST			CONNECTIVE 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 8 ppmv @ 15% O2)	Nox	Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
	Nox	CO				CO	Time	
1				OUT OF SERVICE				
2				OUT OF SERVICE				
3				OUT OF SERVICE				
4				OUT OF SERVICE				
5				OUT OF SERVICE				
6				OUT OF SERVICE				
7				OUT OF SERVICE				
8				OUT OF SERVICE				
9				OUT OF SERVICE				
10				OUT OF SERVICE				
11				OUT OF SERVICE				
12				OUT OF SERVICE				
13				OUT OF SERVICE				
14				OUT OF SERVICE				
15				OUT OF SERVICE				
16				OUT OF SERVICE				
17				OUT OF SERVICE				
18				OUT OF SERVICE				
19				OUT OF SERVICE				
20				OUT OF SERVICE				
21				OUT OF SERVICE				
22				OUT OF SERVICE				
23				OUT OF SERVICE				
24				OUT OF SERVICE				
25				OUT OF SERVICE				
26				OUT OF SERVICE				
27				OUT OF SERVICE				
28				OUT OF SERVICE				
29				OUT OF SERVICE				
30				OUT OF SERVICE				
31				OUT OF SERVICE				

12-mo.
Rolling

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Apr-09

Equipment	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	360.0	26.0	209.0	282.0	200.0	113.0	104.0	215.0	811.0	78.0	288.0	0.0	Gal/mo	2,335.0	N/A	Gal/yr
South Crane	0.0	182.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	87.0	N/A	Gal/yr
Crane Total	208.0	208.0	239.0	282.0	200.0	113.0	104.0	215.0	811.0	78.0	288.0	0.0	Gal/mo	2,710	13,344	Gal/yr
Flare Gas Consumption:																
Enginehead (HP+LP)	130.0	175.0	237.0	102.0	70.0	121.0	113.0	97.0	305.0	107.0	140.0	151.0	MSCF/mo	1.58	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.02	N/A	MMSCF/yr
Pilot Purge (HP+LP)	139.0	175.0	254.0	102.0	71.0	121.0	112.0	97.0	106.0	107.0	140.0	151.0	MSCF/mo	1.60	7.19	MMSCF/yr
Flare Gas Total	269.0	350.0	491.0	204.0	141.0	242.0	225.0	194.0	411.0	107.0	140.0	151.0	MSCF/mo	1.60	7.19	MMSCF/yr
Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-83)																
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	331.0	0.0	54.0	0.0	Gal/mo	201.00	85,800	Gal/yr
G3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	2.61	81.70	MMSCF/yr
4B BWP Steady Engine	3.6	8.5	25.0	10.0	28.0	28.0	0.0	3.0	77.0	12.0	12.0	3.0	Gal/mo	208.90	7,318	Gal/yr
P-19 Firewater Pump	26.0	0.0	17.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0	8.0	3.8	Gal/mo	86.00	Exempt	Gal/yr
Perceps Equipment	41.0	0.0	1,390.0	0.0	0.0	0.0	0.0	0.0	31.0	14.0	124.0	87.0	Gal/mo	1,587.00	Exempt	Gal/yr
Production Engines:																
G-1A	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	1.6	1.4	2.2	0.8	MMSCF/mo	10.12	N/A	MMSCF/yr
G-1B	0.0	0.0	0.0	0.0	0.0	0.1	3.5	2.6	0.5	1.2	0.8	0.8	MMSCF/mo	9.32	N/A	MMSCF/yr
Production ICE Total	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.6	2.1	2.6	3.0	1.6	MMSCF/mo	0.02	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	0.00	MMSCF/yr
Diesel Backup Generator:																
G-10	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	1,545.5	1,301.0	1,715.0	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	1,633.0	0.0	0.0	0.0	BBbl/mo	12,074	20	MBbl/yr
T-3B	1,545.5	1,301.0	1,715.0	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	1,633.0	0.0	0.0	0.0	BBbl/mo	12,074	20	MBbl/yr
T-3C	3,091.0	2,602.0	3,430.0	3,150.0	2,869.0	3,094.0	2,629.0	2,956.0	3,266.0	0.0	0.0	0.0	BBbl/mo	24,147	3940	MBbl/yr
Solvent Usage:																
Z-801	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	128.72	MMSCF/yr
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	4,300	Gal/yr
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	4,300	Gal/yr
Total Coatings:																
Bolay:																
Crew Boat Fuel:	4,790.4	3,952.0	3,833.0	4,187.0	1,528.6	4,110.1	1,842.0	2,143.0	3,079.7	4,224.6	1,233.1	3,018.4	Gal/mo	3,858.2	N/A	Gal/yr
Work Boat Fuel:	3,528.9	0.0	3,029.8	4,404.0	3,076.6	77.4	1,382.5	2,382.0	2,653.2	887.1	1,920.9	3,085.0	Gal/mo	27,198	N/A	Gal/yr
Total Boat Fuel:	8,319.3	3,952.0	6,862.8	8,591.1	4,605.3	4,187.4	3,224.5	4,435.0	5,732.9	5,111.8	3,154.0	6,103.4	Gal/mo	65,879	14,792	Gal/yr
Boat Emissions: tons:																
ROG	0.14	0.07	0.11	0.14	0.08	0.07	0.08	0.07	0.10	0.09	0.05	0.11	Ton/mo	1.09	1.90	Ton/yr at 33.16 lbs/ton ROG
NOx	2.34	1.11	1.93	2.40	1.17	1.17	0.93	1.24	1.78	1.44	0.90	1.84	Ton/mo	18.48	33.11	Ton/yr at 601.00 lbs/ton NOx
PM	0.14	0.07	0.11	0.14	0.08	0.07	0.06	0.07	0.11	0.08	0.05	0.12	Ton/mo	1.10	1.92	Ton/yr at 33.80 lbs/ton PM
SO _x	0.03	0.01	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	Ton/mo	0.26	0.42	Ton/yr at 7.80 lbs/ton SO _x
CO ₂	0.43	0.20	0.35	0.44	0.23	0.21	0.17	0.23	0.32	0.28	0.16	0.35	Ton/mo	3.34	6.44	Ton/yr at 102.00 lbs/ton CO ₂

* Without producing wells, crane limit is 13,344 gal/yr with any producing wells, limit is 7,344 gal/yr (Well A-8 brought back to production in February 2008)

b Permit limit for 1b 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP

c Dual fuel usage is tracked at Platform Gas (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
May-09

Equipment	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Monthly Units	12-Month Total	Permit Limit	12 Mo. & Permit Units
Craines:																
North Crane	282.0	208.0	202.0	200.0	113.0	104.0	215.0	611.0	79.0	298.9	0.0	0.0	Gal/mo	2,117.0	N/A	Gal/yr
South Crane	382.0	30.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	97.0	112.0	Gal/mo	490.0	N/A	Gal/yr
Crane Total	298.0	238.0	262.0	275.0	113.0	104.0	215.0	611.0	79.0	298.9	97.0	112.0	Gal/mo	2,607.0	33,344	Gal/yr
Flare Gas Consumption:																
Planned (HP-LP)	175.0	237.0	102.0	70.0	421.0	513.0	97.0	305.0	107.0	140.0	151.0	144.0	MISCF/mo	1.58	N/A	MMSCF/yr
Unplanned (HP-LP)	0.0	17.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MISCF/mo	0.02	N/A	MMSCF/yr
Pilot Purga (HP-LP)																
Pilot Purga is accounted for in calculation of Planned Flaring (Minor GR-81 - Meter GR-83)																
Flare Gas Total	175.0	254.0	102.0	71.0	421.0	513.0	97.0	305.0	107.0	140.0	151.0	144.0	MISCF/mo	1.60	7.19	MMSCF/yr
Generators:																
G2 (Emergency)	0.0	8.0	0.0	0.0	0.0	0.0	0.0	331.0	0.0	54.0	0.0	11.0	Gal/mo	492.00	50,000	Gal/yr
G3	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	5.39	51.70	MMSCF/yr
4B BHP Boiler Engine	8.5	25.0	10.0	28.0	28.0	0.0	3.0	77.0	12.0	12.0	3.0	6.0	Gal/mo	211.20	7,315	Gal/yr
P-19 Firewater Pump	0.0	17.0	0.0	0.0	0.0	0.0	27.0	0.0	10.0	8.0	3.0	8.3	Gal/mo	98.10	Exempt	Gal/yr
Portable Equipment	0.0	1,280.0	0.0	0.0	0.0	0.0	0.0	31.0	14.0	124.0	87.0	79.0	Gal/mo	1,925.00	Exempt	Gal/yr
Production Engines																
G-1A	0.0	0.0	0.0	0.0	3.4	0.0	0.9	1.4	1.4	2.2	0.0	0.0	MMSCF/mo	19.12	N/A	MMSCF/yr
G-1B	0.0	0.0	0.0	0.0	0.1	3.5	2.6	0.6	1.2	0.0	0.0	0.0	MMSCF/mo	9.32	N/A	MMSCF/yr
Production ICE Total	0.0	0.0	0.0	0.0	3.5	3.5	3.5	2.1	2.6	2.2	0.0	0.0	MMSCF/mo	0.02	60.00	MMSCF/yr
Drilling Engines																
G-8A	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-8B	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-8C	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	15.73	MMSCF/yr
Diesel Backup Generator																
Z-5a	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	1,301.0	1,715.0	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	Bolesmo	10,524	29	MBBbl/yr
T-3B	1,301.0	1,715.0	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	Bolesmo	10,524	29	MBBbl/yr
W-8	2,602.0	3,430.0	3,150.0	2,869.0	3,094.0	2,628.0	2,955.0	328.0	0.0	0.0	0.0	0.0	Bolesmo	21,058	29	MBBbl/yr
Solvent Usage																
Z-5a	5.0	0.0	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr at 1.64 Bbl/gal
Enviro-Dot	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 at 6.63 Bbl/gal
Total Solvents	5.0	0.0	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	Gal/mo	0.00	4.45	Tons/yr ROC
Total Coustrops																
Bolesmo	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
Crew Boat Fuel:	3,352.0	3,833.0	4,167.0	3,528.0	4,110.1	1,842.0	2,143.0	3,879.7	4,224.8	1,293.1	3,016.4	2,343.2	Gal/mo	38,205	N/A	Gal/yr
Work Boat Fuel:	0.0	3,029.5	4,404.0	3,075.6	77.4	1,382.5	2,282.0	897.1	897.1	1,820.9	3,895.0	3,389.4	Gal/mo	27,018	N/A	Gal/yr
Total Boat Fuel:	3,352.0	6,862.5	8,571.1	6,603.6	4,187.4	3,224.5	4,425.0	4,776.8	5,121.9	3,114.0	6,911.4	5,732.6	Gal/mo	65,223	84,782	Gal/yr
Boat Emissions: tons																
ROC	0.07	0.11	0.14	0.08	0.07	0.06	0.07	0.10	0.08	0.05	0.11	0.10	Tons/mo	1.06	1.90	Tons/yr at 33.16 Bbl/gal
NOx	1.11	1.93	2.40	1.28	1.17	0.83	1.24	1.44	1.44	0.80	1.84	1.81	Tons/mo	17.74	32.11	Tons/yr at 681.00 Bbl/gal
PM	0.07	0.11	0.14	0.08	0.07	0.06	0.07	0.11	0.09	0.05	0.12	0.10	Tons/mo	1.06	1.82	Tons/yr at 33.16 Bbl/gal
SOx	0.01	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.02	Tons/mo	0.24	0.43	Tons/yr at 53.50 Bbl/gal
CO	0.20	0.33	0.44	0.23	0.21	0.17	0.23	0.32	0.26	0.18	0.35	0.29	Tons/mo	2.25	4.24	Tons/yr at 103.00 Bbl/gal

Without producing wells, crane limit is 13,344 gal/yr with any producing wells, limits is 7,344 gal/yr (Wast A-B brought back to production in February 2008)
 Permit limit for 7.05 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
 Boat-fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Jun-09

Equipment	Jun-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Monthly Units	12 Month Total	Permit Limit	12 Mo. & Permit Units
Cranes:																
North Crane	209.0	267.0	260.0	113.0	104.0	315.0	611.0	79.0	398.0	0.0	0.0	0.0	Gal/mo	2,091.0	N/A	Gal/y
South Crane	30.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	97.0	97.0	112.0	163.0	Gal/mo	477.0	N/A	Gal/y
Crane Total	239.0	267.0	275.0	113.0	104.0	215.0	611.0	79.0	299.0	97.0	112.0	163.0	Gal/mo	2,568	13,344	Gal/y
Flare Gas Consumption:																
Planned (HP-LP)	237.0	102.0	20.0	121.0	133.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	MSCF/mo	1,500	N/A	MMSCF/y
Unplanned (HP-LP)	17.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.02	N/A	MMSCF/y
Pilot Puff (HP-LP)																
Pilot Puff is accounted for in calculation of Planned Flaring (Major GR-B1 - Major GR-33)																
Flare Gas Total	254.0	102.0	21.0	121.0	133.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	MSCF/mo	1,502	7,118	MMSCF/y
Generators:																
G3 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	Gal/mo	717.0	55,900	Gal/y
G3	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	7.44	61.10	MMSCF/y
46 BHP Sinter Engine	25.0	10.0	28.0	28.0	0.0	3.0	77.0	12.0	12.0	3.8	8.0	5.4	Gal/mo	298.20	7,316	Gal/y
P-19 Flowwater Pump	17.0	0.0	0.0	0.0	0.0	23.0	0.0	10.0	8.0	3.8	8.3	7.0	Gal/mo	76.10	Exempt	Gal/y
Portable Equipment	1,290.0	0.0	0.0	0.0	0.0	0.0	31.0	14.0	124.0	97.0	70.0	9.0	Gal/mo	1,634.00	Exempt	Gal/y
Production Engines:																
G-1A	0.0	0.0	0.0	3.4	0.0	0.9	1.6	1.8	2.2	0.6	0.0	0.0	MMSCF/mo	10.12	N/A	MMSCF/y
G-1B	0.0	0.0	0.0	0.1	3.5	2.9	0.3	1.2	0.8	0.6	0.0	0.5	MMSCF/mo	9.60	N/A	MMSCF/y
Production ICE Total	0.0	0.0	0.0	3.8	3.5	3.8	2.1	2.6	3.0	1.2	0.0	0.5	MMSCF/mo	0.72	60.00	MMSCF/y
Drilling Engines:																
G-8A	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/y
G-8B	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/y
G-8C	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/y
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/y
Diesel Backup Generator:																
Z-58	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/y
Tanks Throughputs:																
T-3A	1,719.0	1,675.0	1,434.5	1,547.0	1,314.5	1,478.0	1,633.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	9,237	20	Mbl/y
T-3B	1,715.0	1,675.0	1,434.6	1,547.0	1,314.5	1,478.0	1,633.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	9,237	20	Mbl/y
V-8	3,430.0	3,150.0	2,869.0	3,094.0	2,629.0	2,956.0	3,267.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	18,464	3,963	Mbl/y
Solvent Usage:																
Z-58	0.0	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	Gal/mo	0.02	N/A	Tons/y ROC at 1.64 Bbl/gal
Enviro-Oel	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/y ROC at 1.64 Bbl/gal
Total Solvents:	0.0	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	Gal/mo	0.02	4.45	Tons/y ROC
Total Coals/03:																
Boats:																
Crew Boat Fuel:	3,838.0	4,167.0	1,528.0	4,110.1	1,942.0	2,143.0	3,679.7	4,224.6	1,293.1	3,018.4	2,343.2	3,618.5	Gal/mo	35,901	N/A	Gal/y
Work Boat Fuel:	3,029.9	4,404.0	3,076.6	77.4	1,382.5	2,292.0	2,653.2	697.1	1,920.9	3,985.0	3,389.4	1,824.8	Gal/mo	28,843	N/A	Gal/y
Total Boat Fuel:	6,867.9	8,571.1	4,604.6	4,187.4	3,324.5	4,435.0	6,332.9	5,121.8	3,214.0	6,913.4	5,732.6	5,443.3	Gal/mo	64,744	98,732	Gal/y
Boat Emissions: tons:																
ROCK	0.11	0.14	0.08	0.07	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	Tons/mo	1.07	1.90	Tons/y at 33.18 lbs/m/Gal
NOX	1.93	2.40	1.28	1.77	0.93	1.24	1.78	1.44	0.90	1.84	1.61	1.53	Tons/mo	18.16	32.11	Tons/y at 681.06 lbs/m/Gal
PM	0.11	0.14	0.08	0.07	0.06	0.07	0.11	0.08	0.06	0.12	0.10	0.09	Tons/mo	1.08	1.82	Tons/y at 33.50 lbs/m/Gal
SOX	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	Tons/mo	0.24	0.42	Tons/y at 17.50 lbs/m/Gal
CO	0.35	0.44	0.23	0.21	0.17	0.23	0.32	0.26	0.16	0.35	0.28	0.28	Tons/mo	3.30	5.84	Tons/y at 192.00 lbs/m/Gal

a Without producing wells, crane limit is 13,344 gal/y; with any producing wells, limit is 7,344 gal/y (Well A-8 brought back to production in February 2008)

b Permit limit is 7.05 MMSCF/y for HP and 0.14 MMSCF/y for LP

c Boat fuel usage is tracked at Platform Gal (PTO No. 1493)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Jul-08

Equipment	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Monthly Units	12-Month Total	Permit Link	12 Mo & Permit Units
Crane:																
North Crane	282.0	206.0	133.0	104.0	216.0	613.0	79.0	258.0	0.0	0.0	0.0	0.0	Gal/mo	1,682.0	N/A	Gal/y
South Crane	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	97.0	112.0	183.0	108.0	Gal/mo	555.0	N/A	Gal/y
Crane Total	282.0	275.0	133.0	104.0	216.0	613.0	79.0	258.0	97.0	112.0	183.0	108.0	Gal/mo	2,437	13,344	Gal/y
Flare Gas Consumption:																
Planned (HP+LP)	102.0	70.0	121.0	113.0	97.0	405.0	107.0	340.0	151.0	144.0	112.0	122.0	MISCF/mo	1,38	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.0	MISCF/mo	0.18	N/A	MMSCF/yr
Piled Purge (HP+LP)			Piled Purge is accounted for in calculation of Planned Flaring (Major GR-81 - Meter GR-83)													
Flare Gas Total	102.0	71.0	121.0	113.0	97.0	405.0	107.0	340.0	151.0	144.0	112.0	310.0	MISCF/mo	1.57	7.19	MMSCF/yr
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	331.0	0.0	64.0	0.0	11.0	316.0	190.0	Gal/mo	961.00	56,900	0.00/yr
G3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.9	2.2	2.8	MMSCF/mo	10.28	61.70	MMSCF/yr
4B BHP Station Engine	10.0	26.0	28.0	0.0	3.0	77.0	13.0	12.0	3.8	6.0	5.4	47.3	Gal/mo	220.50	7,318	Gal/y
P-1B Firewater Pump	0.0	0.0	0.0	0.0	22.0	0.0	10.0	8.0	3.8	8.3	7.0	0.0	Gal/mo	59.10	Example	Gal/y
Portable Equipment	0.0	0.0	0.0	0.0	0.0	31.0	14.0	13.0	87.0	79.0	9.0	43.5	Gal/mo	387.50	Example	Gal/y
Production Engines																
G-1A	0.0	0.0	3.4	0.0	0.0	1.6	1.4	2.2	0.6	0.0	0.0	0.0	MMSCF/mo	10.17	N/A	MMSCF/yr
G-1B	0.0	0.0	0.1	3.5	2.8	0.5	1.2	0.8	0.6	0.0	0.5	0.0	MMSCF/mo	9.80	N/A	MMSCF/yr
Production ICE Total	0.0	0.0	3.6	3.6	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	MMSCF/mo	0.02	60.02	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	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/y
Tanks Throughputs																
F-3A	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	Boles/mo	7,612	20	MBS/yr
T-3B	1,575.0	1,434.5	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	Boles/mo	7,612	20	MBS/yr
V-3	3,150.0	2,869.0	3,094.0	2,629.0	2,956.0	326.0	0.0	0.0	0.0	0.0	0.0	0.0	Boles/mo	15,074	3660	MBS/yr
Solvent Usage																
Z-Sol	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	9.0	0.0	0.5	Gal/mo	0.02	N/A	Tons/yr ROC at 1.64 Bozar
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 1.8 Bozar
Total Solvents	5.0	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	9.0	0.0	0.5	Gal/mo	0.02	4.48	Tons/yr ROC
Total Coalings																
Boats:																
Crew Boat Fuel:	4,183.0	1,523.8	4,110.1	1,542.0	2,143.0	3,678.7	4,224.6	1,293.1	3,018.4	2,343.2	3,816.5	3,470.8	Gal/mo	35,538	N/A	Gal/y
Work Boat Fuel:	4,404.0	3,076.8	77.4	1,392.5	2,292.0	2,653.2	897.1	1,920.9	3,695.0	3,398.4	1,824.8	720.8	Gal/mo	26,534	N/A	Gal/y
Total Boat Fuel:	8,571.1	4,600.3	4,187.4	3,324.5	4,435.0	6,332.5	5,121.8	3,214.0	6,913.4	5,732.6	5,441.3	4,191.4	Gal/mo	62,072	96,792	Gal/y
Boat Emulsions: Tons	0.14	0.06	0.07	0.06	0.07	0.10	0.08	0.06	0.11	0.16	0.09	0.07	Tons/mo	1.03	1.90	Tons/yr at 33.15 BozarGal
NOx	2.40	1.28	1.17	0.93	1.24	1.70	1.44	0.99	1.94	1.61	1.53	1.18	Tons/mo	17.41	32.11	Tons/yr at 64.00 BozarGal
PM	0.14	0.08	0.07	0.06	0.07	0.11	0.09	0.05	0.13	0.10	0.09	0.07	Tons/mo	1.04	1.92	Tons/yr at 33.50 BozarGal
SOx	0.03	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	Tons/mo	0.23	0.42	Tons/yr at 7.50 BozarGal
CO	0.44	0.23	0.21	0.17	0.23	0.32	0.26	0.18	0.35	0.29	0.28	0.21	Tons/mo	3.17	6.84	Tons/yr at 102.50 BozarGal

a Without producing wells, crane fill is 13,344 gal/yr, with any producing wells, fill is 7,344 gal/yr (Wells A-B brought back to production in February 2008)
b Permit limit for is 7.03 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
c Boat fuel usage is tracked at Platform Gal (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Aug-09

Equipments	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	200.0	113.0	104.0	215.0	811.0	79.0	298.0	0.0	0.0	0.0	0.0	0.0	Galvno	1,650.0	N/A	Galvyr
South Crane	79.0	0.0	0.0	0.0	0.0	0.0	0.0	87.0	112.0	163.0	108.0	193.4	Galvno	748.4	N/A	Galvyr
Crane Total	279.0	113.0	104.0	215.0	811.0	79.0	298.0	87.0	112.0	163.0	108.0	193.4	Galvno	2,398.4	13,344	Galvyr
Flare Gas Consumption:																
Flare (HP+LP)	70.0	121.0	113.0	97.0	105.0	102.0	140.0	151.0	144.0	192.0	322.0	118.0	MASCFlms	1.40	N/A	MASCFlvr
Unplanned (HP+LP)	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.0	0.0	MASCFlms	0.19	N/A	MASCFlvr
Pilot Purge (HP+LP)																
Pilot Purge is accounted for in calculation of Piloted Flaring (Meter GR-33)																
Flare Gas Total	71.0	121.0	113.0	97.0	105.0	102.0	140.0	151.0	144.0	192.0	310.0	118.0	MASCFlms	1.59	7.19	MASCFlvr
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	190.0	0.0	Galvno	901.00	65,900	Galvyr
G3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	2.2	2.8	2.7	MASCFlms	72.95	61.10	MASCFlvr
AB Ship Stander Engine	28.0	28.0	3.0	3.0	77.0	12.0	12.0	3.8	6.0	5.4	47.3	0.0	Galvno	229.60	7,318	Galvyr
P-18 Firewater Pump	0.0	0.0	0.0	22.0	0.0	10.0	0.0	3.8	8.3	7.0	0.0	0.0	Galvno	59.10	Exempt	Galvyr
Portable Equipment	0.0	0.0	0.0	0.0	31.0	14.0	125.0	87.0	79.0	9.0	43.5	0.0	Galvno	387.50	Exempt	Galvyr
Production Engines:																
G-1A	0.0	3.4	0.0	0.9	1.6	1.4	2.2	0.6	0.0	0.0	0.0	0.0	MASCFlms	10.15	N/A	MASCFlvr
G-1B	0.0	0.1	3.5	2.5	0.5	1.2	0.8	0.6	0.0	0.5	0.0	0.0	MASCFlms	9.81	N/A	MASCFlvr
Production ICE Total	0.0	3.5	3.5	3.4	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	MASCFlms	0.22	90.00	MASCFlvr
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	MASCFlms	0.00	N/A	MASCFlvr
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	MASCFlms	0.00	N/A	MASCFlvr
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	MASCFlms	0.00	N/A	MASCFlvr
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	MASCFlms	0.00	0.00	MASCFlvr
Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,390	Galvyr
Tanks Throughputs																
T-3A	1,434.5	1,947.0	1,314.5	1,476.0	1,631.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blasvno	5,327	20	Blasvvr
T-30	1,434.5	1,547.0	1,314.5	1,476.0	1,631.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blasvno	5,327	20	Blasvvr
V-8	2,069.0	3,084.0	2,628.0	2,955.0	3,280.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blasvno	11,874	3,960	Blasvvr
Solvent Usage																
Z-Sol	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	Galvno	0.02	N/A	Tonsvyr ROC at 1.64 lbs/gal
Enviro-Dnt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	N/A	Tonsvyr ROC at 0.43 lbs/gal
Total Solvents	0.0	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	Galvno	0.02	0.45	Tonsvyr ROC
Total Coatings																
Boats:																
Crew Boat Fuel:	1,528.6	4,130.1	1,942.0	2,143.0	3,078.7	4,224.6	1,283.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	Galvno	35,454	N/A	Galvyr
Work Boat Fuel:	3,076.6	77.4	1,382.5	2,282.0	2,553.2	857.1	1,620.0	3,169.4	3,169.4	1,824.8	720.8	0.0	Galvno	22,130	N/A	Galvyr
Total Boat Fuel:	4,605.3	4,107.4	3,324.5	4,425.0	5,632.0	5,121.8	3,214.0	6,813.4	5,732.0	5,443.3	4,191.4	4,081.7	Galvno	57,584	94,732	Galvyr
Boat Emissions: tons																
RODx	0.08	0.07	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	Tonsvno	0.95	1.80	Tonsvyr at 13.16 lbs/m3Gal
PM	0.08	0.07	0.06	0.07	0.11	0.08	0.05	0.12	0.10	0.09	0.07	0.07	Tonsvno	1.15	2.11	Tonsvyr at 0.81 lb/m3Gal
SOx	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	Tonsvno	0.22	0.42	Tonsvyr at 3.50 lbs/m3Gal
CO	0.23	0.21	0.17	0.23	0.32	0.26	0.16	0.35	0.29	0.28	0.21	0.21	Tonsvno	2.94	5.84	Tonsvyr at 102.00 lbs/m3Gal

a Without producing wells, crane limit is 13,344 galvyr, with any producing wells, limit is 7,344 galvyr. (When A-B brought back to production in February 2009)
b Permit limit for is 7.05 MASCFlvr for HP and 0.14 MASCFlvr for LP
c Boat fuel usage is tracked at Platform Gal (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Sep-09

Equipment	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Monthly Units	12-Month Total	Permit Limit	12 Mo. & Permit Units
Cranes:																
North Crane	113.0	104.0	215.0	811.0	79.0	298.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	1,420.0	N/A	Gal/y
South Crane	0.0	0.0	0.0	0.0	0.0	0.0	97.0	112.0	163.0	108.0	193.4	136.0	Gal/mo	809.4	30A	Gal/y
Crane Total	113.0	104.0	215.0	811.0	79.0	298.0	97.0	112.0	163.0	108.0	193.4	136.0	Gal/mo	2,229.4	19,344	Gal/y
Flare Gas Consumption:																
Planned (HP+LP)	121.0	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	MSCF/mo	1,337	N/A	MMSCF/y
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.0	0.0	0.0	MSCF/mo	0.19	N/A	MMSCF/y
Pilot Purge (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	0.19	N/A	MMSCF/y
Flare Gas Total	121.0	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	318.0	118.0	37.0	MSCF/mo	1.56	7.19	MMSCF/y
Generators:																
G2 (Emergency)	0.0	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	150.0	0.0	520.0	Gal/mo	1,421.00	65,900	Gal/y
G3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.8	2.2	2.8	2.7	3.1	MMSCF/mo	18.00	61.10	MMSCF/y
48 BHP Stainer Engine	28.0	0.0	3.0	77.0	12.0	12.0	3.8	6.0	5.4	47.3	0.0	0.0	Gal/mo	261.70	7,318	Gal/y
P-19 Firewater Pump	0.0	0.0	22.0	0.0	10.0	8.0	3.8	8.3	7.6	0.0	0.0	0.0	Gal/mo	59.10	Exempt	Gal/y
Portable Equipment	0.0	0.0	0.0	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	Gal/mo	387.50	Exempt	Gal/y
Production Engines:																
G-1A	3.4	0.0	0.9	1.6	1.4	2.2	0.6	0.0	0.0	0.0	0.0	2.4	MMSCF/mo	12.54	N/A	MMSCF/y
G-1B	0.1	3.5	2.6	0.5	1.2	0.8	0.6	0.0	0.5	0.0	0.0	0.0	MMSCF/mo	9.81	N/A	MMSCF/y
Production ICE Total	3.6	3.5	3.5	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	MMSCF/mo	0.02	60.00	MMSCF/y
Drilling Engines:																
G-8A	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/y
G-8B	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/y
G-8C	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/y
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	136.72	MMSCF/y
Diesel Backup Generator:																
	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	0.90	4,200	Gal/y
Tanks Throughputs:																
T-3A	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	4,503	20	Bbl/y
T-3B	1,547.0	1,314.5	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	4,503	20	Bbl/y
V-3	3,084.0	2,629.0	2,956.0	326.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	9,005	3950	Bbl/y
Solvent Usage:																
Z-Sol	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	Gal/mo	0.02	N/A	Tons/y ROC at 1.64 Tons/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	30A	Tons/y ROC at 8.43 Tons/gal
Total Solvents	5.0	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	Gal/mo	0.02	4.46	Tons/y 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/y
Boats:																
Grow Boat Fuel:	4,110.1	1,942.0	2,143.0	3,079.7	4,224.8	1,283.1	3,018.4	2,343.2	3,610.5	3,470.6	4,081.7	4,130.7	Gal/mo	38,056	N/A	Gal/y
Work Boat Fuel:	77.4	1,392.5	2,252.0	2,653.2	897.1	1,920.9	3,895.0	3,989.4	1,624.8	720.8	0.0	0.0	Gal/mo	19,063	N/A	Gal/y
Total Boat Fuel:	4,187.4	3,334.5	4,435.0	6,332.9	5,121.8	3,214.0	6,913.4	6,443.3	5,443.3	4,191.4	4,081.7	4,130.7	Gal/mo	57,119	66,792	Gal/y
Boat Emissions: tons																
ROC	0.07	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	Tons/mo	0.85	1.90	Tons/y at 23.15 Tons/Bbl
NOx	1.37	0.83	1.24	1.78	1.44	0.90	1.84	1.61	1.53	1.18	1.14	1.16	Tons/mo	10.02	32.11	Tons/y at 65.00 Tons/Bbl
PM	0.07	0.08	0.07	0.11	0.08	0.05	0.12	0.10	0.08	0.07	0.07	0.07	Tons/mo	0.98	1.82	Tons/y at 33.50 Tons/Bbl
SOx	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	Tons/mo	0.21	0.42	Tons/y at 7.50 Tons/Bbl
CO ₂	0.21	0.17	0.23	0.32	0.25	0.16	0.35	0.28	0.28	0.21	0.21	0.21	Tons/mo	2.51	6.84	Tons/y at 192.00 Tons/Bbl

Without producing wells, crane limit is 13,344 gally; with any producing wells, limit is 7,344 gally (Well A-B brought back to production in February 2006).

Permit Limit for is 7.05 MMSCF/y for HP and 0.14 MMSCF/y for LP

Boat fuel usage is tracked at Platform Gal (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Oct-09

Equipment	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Cranes:																	North Crane	104.0	215.0	817.0	79.0	398.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	Galvno	1,391.0	N/A	Galvyr	South Crane	0.0	0.0	0.0	0.0	97.0	0.0	112.0	183.0	108.0	193.4	136.0	45.0	Galvno	854.4	N/A	Galvyr	Crane Total	104.0	215.0	817.0	79.0	295.0	0.0	112.0	183.0	108.0	193.4	136.0	129.0	Galvno	2,245	13,344	Galvyr^a	Flare Gas Consumption:																	Planned (HP+LP)	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	MSCFmo	1,36	N/A	MMSCFyr	Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.0	0.0	0.0	0.0	MSCFmo	9.19	N/A	MMSCFyr	Pilot Pumps (HP+LP)																	Pilot Pumps to be accounted for in calculation of Planned Flaring (Master GR-81 - Master GR-93)																	Flare Gas Total	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	MSCFmo	1.54	7.19	MMSCFyr^b	Generators:																	G2 (Emergency)	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	190.0	0.0	520.0	0.0	Galvno	1,431.00	65,900	Galvyr	G3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.2	2.8	2.7	3.1	2.8	MMSCFmo	18.84	81.0	MMSCFyr	48 BHP Steiner Engine	0.0	3.0	77.0	42.0	32.0	3.8	8.0	5.4	47.3	0.0	7.2	0.0	Galvno	173.70	7,315	Galvyr	P-19 Flowwater Pump	0.0	23.0	0.0	10.0	8.0	3.8	8.3	7.0	0.0	0.0	0.0	0.0	Exempt	59.10	Exempt	Galvyr	Portable Equipment	0.0	0.0	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	Galvno	387.90	Exempt	Galvyr	Production Engines																	G-1A	0.0	0.9	1.6	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.0	MMSCFmo	9.79	N/A	MMSCFyr	G-1B	3.5	2.6	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	MMSCFmo	9.69	N/A	MMSCFyr	Production ICE Total	3.5	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.0	MMSCFmo	0.92	60.06	MMSCFyr	Drilling Engines																	G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	0.00	MMSCFyr	Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr	Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu
North Crane	104.0	215.0	817.0	79.0	398.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	Galvno	1,391.0	N/A	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
South Crane	0.0	0.0	0.0	0.0	97.0	0.0	112.0	183.0	108.0	193.4	136.0	45.0	Galvno	854.4	N/A	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Crane Total	104.0	215.0	817.0	79.0	295.0	0.0	112.0	183.0	108.0	193.4	136.0	129.0	Galvno	2,245	13,344	Galvyr^a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Flare Gas Consumption:																	Planned (HP+LP)	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	MSCFmo	1,36	N/A	MMSCFyr	Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.0	0.0	0.0	0.0	MSCFmo	9.19	N/A	MMSCFyr	Pilot Pumps (HP+LP)																	Pilot Pumps to be accounted for in calculation of Planned Flaring (Master GR-81 - Master GR-93)																	Flare Gas Total	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	MSCFmo	1.54	7.19	MMSCFyr^b	Generators:																	G2 (Emergency)	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	190.0	0.0	520.0	0.0	Galvno	1,431.00	65,900	Galvyr	G3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.2	2.8	2.7	3.1	2.8	MMSCFmo	18.84	81.0	MMSCFyr	48 BHP Steiner Engine	0.0	3.0	77.0	42.0	32.0	3.8	8.0	5.4	47.3	0.0	7.2	0.0	Galvno	173.70	7,315	Galvyr	P-19 Flowwater Pump	0.0	23.0	0.0	10.0	8.0	3.8	8.3	7.0	0.0	0.0	0.0	0.0	Exempt	59.10	Exempt	Galvyr	Portable Equipment	0.0	0.0	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	Galvno	387.90	Exempt	Galvyr	Production Engines																	G-1A	0.0	0.9	1.6	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.0	MMSCFmo	9.79	N/A	MMSCFyr	G-1B	3.5	2.6	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	MMSCFmo	9.69	N/A	MMSCFyr	Production ICE Total	3.5	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.0	MMSCFmo	0.92	60.06	MMSCFyr	Drilling Engines																	G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	0.00	MMSCFyr	Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr	Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																				
Planned (HP+LP)	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	MSCFmo	1,36	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.0	0.0	0.0	0.0	MSCFmo	9.19	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Pilot Pumps (HP+LP)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Pilot Pumps to be accounted for in calculation of Planned Flaring (Master GR-81 - Master GR-93)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Flare Gas Total	113.0	97.0	105.0	107.0	140.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	MSCFmo	1.54	7.19	MMSCFyr^b																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Generators:																	G2 (Emergency)	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	190.0	0.0	520.0	0.0	Galvno	1,431.00	65,900	Galvyr	G3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.2	2.8	2.7	3.1	2.8	MMSCFmo	18.84	81.0	MMSCFyr	48 BHP Steiner Engine	0.0	3.0	77.0	42.0	32.0	3.8	8.0	5.4	47.3	0.0	7.2	0.0	Galvno	173.70	7,315	Galvyr	P-19 Flowwater Pump	0.0	23.0	0.0	10.0	8.0	3.8	8.3	7.0	0.0	0.0	0.0	0.0	Exempt	59.10	Exempt	Galvyr	Portable Equipment	0.0	0.0	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	Galvno	387.90	Exempt	Galvyr	Production Engines																	G-1A	0.0	0.9	1.6	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.0	MMSCFmo	9.79	N/A	MMSCFyr	G-1B	3.5	2.6	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	MMSCFmo	9.69	N/A	MMSCFyr	Production ICE Total	3.5	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.0	MMSCFmo	0.92	60.06	MMSCFyr	Drilling Engines																	G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	0.00	MMSCFyr	Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr	Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																										
G2 (Emergency)	0.0	0.0	331.0	0.0	54.0	0.0	11.0	315.0	190.0	0.0	520.0	0.0	Galvno	1,431.00	65,900	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
G3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.2	2.8	2.7	3.1	2.8	MMSCFmo	18.84	81.0	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
48 BHP Steiner Engine	0.0	3.0	77.0	42.0	32.0	3.8	8.0	5.4	47.3	0.0	7.2	0.0	Galvno	173.70	7,315	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
P-19 Flowwater Pump	0.0	23.0	0.0	10.0	8.0	3.8	8.3	7.0	0.0	0.0	0.0	0.0	Exempt	59.10	Exempt	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Portable Equipment	0.0	0.0	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	Galvno	387.90	Exempt	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Production Engines																	G-1A	0.0	0.9	1.6	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.0	MMSCFmo	9.79	N/A	MMSCFyr	G-1B	3.5	2.6	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	MMSCFmo	9.69	N/A	MMSCFyr	Production ICE Total	3.5	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.0	MMSCFmo	0.92	60.06	MMSCFyr	Drilling Engines																	G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	0.00	MMSCFyr	Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr	Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																
G-1A	0.0	0.9	1.6	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.0	MMSCFmo	9.79	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
G-1B	3.5	2.6	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	MMSCFmo	9.69	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Production ICE Total	3.5	3.6	2.1	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.0	MMSCFmo	0.92	60.06	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Drilling Engines																	G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	N/A	MMSCFyr	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	MMSCFmo	0.00	0.00	MMSCFyr	Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr	Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																				
G-5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCFmo	0.00	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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	MMSCFmo	0.00	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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	MMSCFmo	0.00	N/A	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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	MMSCFmo	0.00	0.00	MMSCFyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvno	0.00	4,300	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Tanks Throughputs																	T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr	V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr	Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																										
T-3A	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
T-3B	1,314.5	1,478.0	183.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	2,916	20	MBbl/yr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
V-8	2,629.0	2,956.0	376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bbl/mo	6,911	3,660	MBbl/yr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Solvent Usage																	Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal	Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC	Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Z-50	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	N/A	Tons/yr ROC at 1.64 Bbl/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	Galvno	0.00	N/A	Tons/yr ROC at 6.43 Bbl/gal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Total Solvents	0.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	Galvno	0.01	4.45	Tons/yr ROC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Total Coatings																														Galvno	0.00	Exempt	Galvyr	Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Boats:																	Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr	Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr	Total Boat Fuel:	3,324.5	4,435.0	5,632.9	5,121.9	3,214.0	6,513.4	5,932.6	5,442.5	4,191.4	4,081.7	4,130.7	3,882.5	Galvno	58,816	96,792	Galvyr^c	Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Grow Boat Fuel	1,942.0	2,143.0	3,079.7	4,224.8	1,293.1	3,018.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,882.5	Galvno	37,838	N/A	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Work Boat Fuel	1,382.5	2,292.0	2,553.2	897.1	1,820.9	3,495.0	3,589.4	1,824.0	720.8	0.0	0.0	0.0	Galvno	19,978	N/A	Galvyr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Boat Emissions: tons																	NOx	0.06	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.34	1.90	Tons/yr at 33.15 lbs/MMBtu	PM	0.06	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	Tons/mo	0.35	1.92	Tons/yr at 33.60 lbs/MMBtu	SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu	CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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SOx	0.01	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	Tons/mo	0.21	0.42	Tons/yr at 7.50 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CO	0.17	0.23	0.32	0.28	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	Tons/mo	2.90	6.84	Tons/yr at 10.20 lbs/MMBtu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

^a Without producing wells, crane limits is 13,344 galvyr with any producing wells, limits is 7,344 galvyr (Well A-B brought back to production in February 2008)
^b Permit Limit for is 7.05 MMSCFyr for HP and 0.14 MMSCFyr for LP
^c Boat fuel usage is tracked at Platform Gas (PTO No. 1494)

Platform Grace
 PTO No. 1483 Equipment Usage
 Rolling 12-Months Ending:
 Nov-09

Equipment	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	215.0	811.0	79.0	290.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	348.0	Gal/mo	1,433.0	N/A	Gal/yr
South Crane	0.0	0.0	0.0	0.0	87.0	112.0	153.0	108.0	193.4	136.0	45.0	67.0	Gal/mo	810.4	N/A	Gal/yr
Crane Total	215.0	811.0	79.0	290.0	87.0	112.0	153.0	108.0	193.4	136.0	129.0	205.0	Gal/mo	2,243.4	13,344	Gal/yr
Flare Gas Consumption:																
Painted (HP+LP)	97.0	105.0	107.0	140.0	151.0	144.0	117.0	122.0	118.0	37.0	102.0	118.0	MSCF/mo	1.35	N/A	MMSCF/yr
Unpainted (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.0	0.0	0.0	0.0	2.0	MSCF/mo	0.19	N/A	MMSCF/yr
Pilot Pumps (HP+LP)																
Flare Gas Total	97.0	105.0	107.0	140.0	151.0	144.0	117.0	122.0	118.0	37.0	102.0	120.0	MSCF/mo	1.54	7.19	MMSCF/yr
Generators:																
G2 (Emergency)	0.0	331.0	0.0	54.0	0.0	11.0	315.0	180.0	0.0	520.0	0.0	704.0	Gal/mo	2,123.00	55,900	Gal/yr
G3 BHP Slender Engine	3.0	77.0	0.0	12.0	3.8	6.0	5.4	47.3	0.0	7.2	2.8	2.7	MMSCF/mo	21.64	81.10	MMSCF/yr
Z-19 Firewater Pump	22.0	0.0	10.0	8.0	3.8	6.3	7.0	0.0	0.0	0.0	0.0	15.4	Gal/mo	178.70	7,316	Gal/yr
Portable Equipment	0.0	31.0	14.0	124.0	87.0	78.0	8.0	43.5	0.0	0.0	0.0	0.0	Gal/mo	387.50	Emergency	Gal/yr
Produced Engines																
G-7A	0.0	1.8	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.8	0.0	MMSCF/mo	9.70	N/A	MMSCF/yr
G-1B	2.8	0.5	1.2	0.8	0.8	0.0	0.5	0.0	0.0	0.0	0.0	1.0	MMSCF/mo	7.24	N/A	MMSCF/yr
Production NGE Total	3.6	2.3	2.6	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.8	1.0	MMSCF/mo	9.92	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	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
Engine Throughputs																
T-3A	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blbl/mo	1,641	20	MBbl/yr
T-3B	1,478.0	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blbl/mo	1,641	20	MBbl/yr
V-8	2,956.0	328.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blbl/mo	3,582	3,960	MBbl/yr
Solvent Usage																
Z-Sol	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	0.00	Gal/yr
Envis-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	0.00	Gal/yr
Total Solvents	5.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	0.00	Gal/yr
Total Coatings																
ROC	2,143.0	3,879.7	4,224.6	1,303.1	3,016.4	2,343.2	3,618.5	3,470.6	4,081.7	4,130.7	3,992.5	4,858.8	Gal/mo	40,650	N/A	Gal/yr
Work Boat Fuel	2,282.0	2,853.2	897.1	1,920.9	3,835.0	3,985.4	1,824.8	720.8	0.0	0.0	0.0	130.0	Gal/mo	17,723	N/A	Gal/yr
Total Boat Fuel	4,425.0	6,732.9	5,121.8	3,244.0	6,851.4	6,368.6	5,443.3	4,191.4	4,081.7	4,130.7	3,992.5	4,788.8	Gal/mo	58,373	96,792	Gal/yr
Boat Emissions: tons																
ROC	0.07	0.10	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	0.08	Tons/mo	0.97	1.90	Tons/yr at 1.64 Bbl/mo Gal
NOx	1.24	1.78	1.44	0.90	1.94	1.61	1.53	1.18	1.14	1.16	1.12	1.34	Tons/mo	14.37	32.11	Tons/yr at 1.64 Bbl/mo Gal
PM	0.07	0.11	0.09	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	0.08	Tons/mo	0.96	1.92	Tons/yr at 1.64 Bbl/mo Gal
SOx	0.02	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	Tons/mo	0.23	0.42	Tons/yr at 1.64 Bbl/mo Gal
CO	0.23	0.32	0.25	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	0.24	Tons/mo	2.88	5.84	Tons/yr at 1.64 Bbl/mo Gal

a Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr. (Well A-B brought back to production in February 2008)
 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. 1484)

Platform Graco
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Dec-09

Equipment	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Monthly Units	12-Month Total	Permit Limit	12 Mo & Permit Units
Cranes:																
North Crane	611.0	79.0	298.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	148.0	85.0	Galmo	1,302.0	N/A	Gal/y ^a
South Crane	0.0	0.0	0.0	97.0	112.0	163.0	108.0	193.4	135.0	45.0	82.0	20.0	Galmo	936.4	N/A	Gal/y ^a
Crane Total	611.0	79.0	298.0	97.0	112.0	163.0	108.0	193.4	138.0	109.0	230.0	105.0	Galmo	2,238.4	0.0	Gal/y^a
Flare Gas Consumption:																
Planned (HP+LP)	105.0	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	119.0	102.0	MISCFlmo	1,356	N/A	MMSCF/y ^a
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	388.0	0.0	0.0	0.0	2.0	0.0	MISCFlmo	0.19	N/A	MMSCF/y ^a
Pilot Flare (HP+LP)																
Pilot Flare is accounted for in calculation of Planned Flaring (Meter GR81 - Meter GR-83)																
Flare Gas Total	105.0	107.0	140.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	121.0	102.0	MISCFlmo	1.54	7.19	MMSCF/y^a
Generators:																
G2 (Emergency)	331.0	0.0	54.0	0.0	11.0	315.0	390.0	0.0	520.0	0.0	704.0	4,162.0	Galmo	6,287.00	65,500	Gal/y ^a
G3	9.8	0.0	0.0	1.8	2.8	2.2	2.8	2.7	3.1	2.8	2.7	0.4	MISCFlmo	21.80	51.10	MMSCF/y ^a
49-HP Starter Engine	77.0	12.0	3.8	3.8	8.0	5.4	47.3	0.0	7.2	0.0	5.0	63.9	Galmo	238.50	2,315	Gal/y ^a
P-19 Flarewater Pump	0.0	10.0	8.0	3.9	8.3	7.0	0.0	0.0	0.0	0.0	15.4	0.0	Galmo	52.50	Exempt	Gal/y ^a
Portable Equipment	31.0	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	0.0	0.0	Galmo	387.50	Exempt	Gal/y ^a
Production Engines:																
G-1A	1.8	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.6	0.0	0.0	MISCFlmo	8.78	N/A	MMSCF/y ^a
G-1B	0.5	1.2	0.8	0.6	0.0	0.5	0.0	0.0	0.0	0.0	1.0	0.7	MISCFlmo	11.30	N/A	MMSCF/y ^a
Production ICE Total	2.1	2.9	3.0	1.2	0.0	0.5	0.0	0.0	2.4	0.6	1.0	0.7	MISCFlmo	0.02	66.00	MMSCF/y^a
Drilling Engines:																
G-8A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MISCFlmo	0.00	N/A	MMSCF/y ^a
G-8B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MISCFlmo	0.00	N/A	MMSCF/y ^a
G-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MISCFlmo	0.00	N/A	MMSCF/y ^a
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	MISCFlmo	0.00	0.00	MMSCF/y^a
Diesel Backup Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galmo	0.00	4,300	Gal/y^a
Tanks Throughputs																
T-3A	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bois/mo	0.183	20	MBBL/y ^a
T-3B	163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bois/mo	0.183	20	MBBL/y ^a
T-8	326.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bois/mo	0.326	3950	MBBL/y ^a
Solvent Usage																
Z-501	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	Galmo	0.02	N/A	Tons/y ^a ROC at 1.64 (total)
Envite-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	Galmo	0.00	N/A	Tons/y ^a ROC at 8.41 (total)
Total Solvents Total Emissions:	1.0	2.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	Galmo	0.02	4.48	Tons/y^a ROC
Boats:																
Crane Boat Fuel:	3,679.7	4,224.0	1,293.1	3,019.4	2,343.2	3,618.5	3,470.8	4,081.7	4,130.7	3,962.5	4,658.8	3,906.7	Galmo	47,416	N/A	Gal/y ^a
Work Boat Fuel:	2,853.2	897.1	1,920.9	3,095.0	3,309.4	1,824.8	720.8	0.0	0.0	0.0	130.0	3,483.8	Galmo	18,915	N/A	Gal/y ^a
Total Boat Fuel:	6,532.9	5,121.0	3,214.0	6,913.4	5,652.6	5,443.3	4,191.4	4,081.7	4,130.7	3,962.5	4,788.8	7,390.5	Galmo	66,331	96,792	Gal/y^a
Boat Emissions: tons	0.10	0.06	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.12	Tons/mo	1.02	1.90	Tons/y^a at 33.15 (total)
ROX	1.78	1.44	0.90	1.64	1.51	1.53	1.18	1.14	1.16	1.12	1.34	2.07	Tons/mo	17.20	35.11	Tons/y ^a at 68.00 (total)
PM	0.11	0.06	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.12	Tons/mo	1.92	3.92	Tons/y ^a at 33.00 (total)
SO ₂	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	Tons/mo	0.23	0.42	Tons/y ^a at 7.00 (total)
CO ₂	0.32	0.26	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	0.24	0.36	Tons/mo	3.13	6.64	Tons/y ^a at 102.00 (total)

^a Without producing wells, crane limit is 13,344 gal/y^a with any producing wells, limit is 7,344 gal/y^a (Well A-B brought back to production in February 2008)
^b Permit limit for is 7.05 MMSCF/y^a for HP and 0.14 MMSCF/y^a 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:
Jan-10

Equipment	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Monthly Units	12-Month Total	Permit Limit	12-Mp. & Permit Units	
Cranes:																	
North Crane	75.0	296.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	148.0	85.0	190.0	Galvmo	882.0	N/A	Galvyr	
South Crane	0.0	0.0	87.0	112.0	163.0	308.0	193.4	136.0	45.0	82.0	20.0	15.0	Galvmo	952.4	N/A	Galvyr	
Crane Total	75.0	296.0	87.0	112.0	163.0	308.0	193.4	136.0	129.0	230.0	105.0	205.0	Galvmo	1,834	13,344	Galvyr^a	
Flare Gas Consumption:																	
Planned (HP-LP)	107.0	140.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	119.0	102.0	84.0	MSCF/mo	1,32	N/A	MMSCF/yr	
Unplanned (HP-LP)	0.0	0.0	0.0	0.0	0.0	388.0	0.0	0.0	0.0	2.0	0.0	0.0	MSCF/mo	0.19	N/A	MMSCF/yr	
Pilot Pumps (HP-LP)																	
Pilot Pumps is accounted for in calculation of Planned Flaring (Minor GR-81 - Meter GR-83)																	
Flare Gas Total	107.0	140.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	121.0	102.0	84.0	MSCF/mo	1.51	7.18	MMSCF/yr^b	
Generators:																	
G2 (Emergency)	0.0	94.0	0.0	11.0	315.0	390.0	0.0	530.0	0.0	704.0	4,162.0	25.0	Galvmo	5,981.00	55,900	Galvyr	
G3	0.0	0.0	1.5	2.9	2.2	2.8	2.7	3.1	2.8	2.7	0.4	0.0	MMSCF/mo	21.42	64.10	MMSCF/yr	
4S BHP Steam Engine	12.0	12.0	3.8	6.0	5.4	47.3	0.0	7.2	0.0	5.0	63.9	4.1	Galvmo	188.70	7,218	Galvyr	
P-18 Firewater Pump	10.0	8.0	3.8	8.3	7.0	0.0	0.0	0.0	0.0	15.4	0.0	14.4	Galvmo	68.90	Element	Galvyr	
Portable Equipment	14.0	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	0.0	0.0	44.9	Galvmo	400.50	Element	Galvyr	
Production Engines:																	
G-1A	1.4	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.6	0.0	0.0	1,114.1	MMSCF/mo	1,121.28	N/A	MMSCF/yr	
G-1B	1.2	0.0	0.6	0.0	0.5	0.0	0.0	0.0	0.0	1.0	6.1	1,978.11	MMSCF/mo	1,988.92	N/A	MMSCF/yr	
Production ICE Total	2.6	3.0	1.4	0.0	0.5	0.0	0.0	2.4	0.6	1.0	6.7	3,092.2	MMSCF/mo	3.11	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:																	
G-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvmo	0.00	4,300	Galvyr	
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	Galvmo	0.000	20	MMSCF/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	Galvmo	0.000	20	MMSCF/yr	
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvmo	0.000	20	MMSCF/yr	
Solvent Usage:																	
Z-Sol	2.0	0.0	0.0	9.0	0.0	0.5	0.5	0.0	0.0	6.0	8.0	3.0	Galvmo	0.00	N/A	Tons/yr ROC at 1.64 lbs/gal	
Environ-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	Galvmo	0.00	N/A	Tons/yr ROC at 16.40 lbs/gal	
Total Solvents	2.0	0.0	0.0	9.0	0.0	0.5	0.5	0.0	0.0	6.0	8.0	3.0	Galvmo	0.00	4.46	Tons/yr ROC	
Total Coolings:																	
BOAB:																	
Crew Boat Fuel:	4,24.6	1,293.1	3,018.4	2,343.2	3,618.5	3,470.5	4,081.7	4,130.7	3,992.5	4,656.8	3,906.7	4,488.0	Galvmo	43,223	N/A	Galvyr	
Work Boat Fuel:	697.1	1,920.9	3,695.0	3,389.4	1,824.8	720.8	0.0	0.0	0.0	130.0	3,483.8	5,211.9	Galvmo	21,474	N/A	Galvyr	
Total Boat Fuel:	5,121.8	3,214.0	6,913.4	5,732.6	5,443.3	4,191.4	4,081.7	4,130.7	3,992.5	4,786.8	7,390.5	9,699.9	Galvmo	64,696	98,782	Galvyr^a	
Boat Emissions: tons																	
ROC	0.08	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.12	0.10	Tons/mo	1.07	1.90	Tons/yr at 33.18 lbs/MOM	
NOx	1.44	0.90	1.94	1.61	1.50	1.18	1.14	1.16	1.12	1.34	2.07	2.72	Tons/mo	16.15	32.11	Tons/yr at 161.00 lbs/MOM	
PM	0.09	0.06	0.12	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.12	0.15	Tons/mo	1.04	1.82	Tons/yr at 33.50 lbs/MOM	
SO ₂	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.04	Tons/mo	0.24	0.42	Tons/yr at 17.59 lbs/MOM	
CO	0.26	0.16	0.35	0.29	0.28	0.21	0.21	0.21	0.20	0.24	0.38	0.49	Tons/mo	3.30	6.84	Tons/yr at 102.00 lbs/MOM	

^a Without producing wells, crane limit is 13,344 galvyr; with any producing wells, limit is 7,344 galvyr (Well A-8 brought back to production in February 2008)
^b Permit limit for 7.65 MMSCF/yr for HP and 0.14 MMSCF/yr for LP
^c Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Graco
PTO No. 1493 Equipment Usage
Rolling 12-Months Ending:
Feb-10

Equipment	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	289.0	0.0	0.0	0.0	0.0	0.0	0.0	84.0	146.0	85.0	190.0	224.0	Gal/mo	1,027.0	N/A	Gal/yr
South Crane	0.0	97.0	112.0	163.0	108.0	183.0	136.0	45.0	62.0	20.0	36.0	0.0	Gal/mo	852.4	N/A	Gal/yr
Crane Total	289.0	97.0	112.0	163.0	108.0	183.4	136.0	129.0	208.0	105.0	206.0	224.0	Gal/mo	1,879.4	12,344	Gal/yr^a
Flare Gas Consumption:																
Planned (HP+LP)	142.0	151.0	144.0	112.0	122.0	118.0	37.0	102.0	110.0	102.0	64.0	64.0	MSCF/mo	1.28	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	898.0	0.0	0.0	0.0	2.0	0.0	0.0	12.0	MSCF/mo	0.20	N/A	MMSCF/yr
Gas Purge (HP+LP)																
Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)																
Flare Gas Total	142.0	151.0	144.0	112.0	310.0	118.0	37.0	102.0	121.0	102.0	64.0	76.0	MSCF/mo	1.48	7.18	MMSCF/yr^b
Generators:																
G-1 (Eng/Agency)	54.0	0.0	13.0	315.0	390.0	0.0	520.0	0.0	704.0	4,162.0	25.0	0.0	Gal/mo	5,881.00	65,900	Gal/yr
G-2 (HP Standby Engine)	12.0	3.8	8.0	5.4	47.3	0.0	7.2	0.0	5.0	83.9	4.1	0.0	MMSCF/mo	25.12	61.10	MMSCF/yr
G-3 (FW Water Pump)	0.0	3.8	8.0	7.0	0.0	0.0	0.0	0.0	15.4	0.0	14.4	0.0	Gal/mo	164.70	2,316	Gal/yr
Portable Equipment	124.0	87.0	79.0	9.0	43.5	0.0	0.0	0.0	0.0	0.0	44.0	183.0	Gal/mo	56.90	Exempt	Gal/yr
Production Engines:																
G-1A	2.2	0.8	0.0	0.0	0.0	0.0	2.4	0.8	0.0	0.0	1,114.1	1,858.3	MMSCF/mo	2,978.19	N/A	MMSCF/yr
G-1B	0.8	0.6	0.0	0.5	0.0	0.0	0.0	0.0	1.0	6.7	1,878.1	890.3	MMSCF/mo	2,878.00	N/A	MMSCF/yr
Production ICE Total	3.0	1.4	0.0	0.5	0.0	0.0	2.4	0.8	1.0	6.7	3,092.2	2,748.6	MMSCF/mo	5,856	60,900	MMSCF/yr
Drilling Engines:																
G-8A	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-8B	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-8C	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	N/A	MMSCF/yr
Diesel Backup Generator:																
G-9	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	Blbl/mo	0.000	20	Blbl/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	Blbl/mo	0.000	20	Blbl/yr
V-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Blbl/mo	0.000	3,960	Blbl/yr
Solvent Usage:																
Z-Sol	9.0	0.0	8.0	0.0	0.5	0.5	0.0	0.0	8.0	8.0	3.0	0.0	Gal/mo	0.02	N/A	Tons/yr ROC at 1.64 Blbl
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 16.43 Blbl
Total Solvents	9.0	0.0	8.0	0.0	0.5	0.5	0.0	0.0	8.0	8.0	3.0	0.0	Gal/mo	0.02	4.46	Tons/yr ROC
Total Cost/Logs:																
Boats:																
Crew Boat Fuel:	1,283.1	3,018.4	2,343.2	3,818.5	3,470.8	4,081.7	4,130.7	3,892.6	4,558.8	3,906.7	4,486.0	3,558.4	Gal/mo	42,556	N/A	Gal/yr
Work Boat Fuel:	1,820.9	3,895.0	3,389.4	1,824.8	720.8	0.0	0.0	0.0	130.0	3,483.8	3,111.8	4,040.9	Gal/mo	25,417	N/A	Gal/yr
Total Boat Fuel:	3,214.0	6,913.4	5,732.6	5,643.3	4,191.4	4,081.7	4,130.7	3,892.6	4,788.8	7,390.5	6,697.8	8,399.3	Gal/mo	67,974	68,792	Gal/yr^c
Boat Emissions: tons:																
ROC	0.05	0.11	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.12	0.16	0.14	Tons/mo	1.13	1.80	Tons/yr at 33.55 lbs/MMBtu
NOx	0.90	1.64	1.61	1.53	1.18	1.14	1.18	1.14	1.34	2.07	2.72	2.36	Tons/mo	18.07	32.11	Tons/yr at 64.68 lbs/MMBtu
PM	0.05	0.12	0.10	0.09	0.07	0.07	0.07	0.07	0.09	0.12	0.16	0.14	Tons/mo	1.14	1.92	Tons/yr at 33.50 lbs/MMBtu
SOx	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.03	Tons/mo	0.26	0.42	Tons/yr at 17.60 lbs/MMBtu
CO	0.16	0.35	0.30	0.28	0.21	0.21	0.21	0.20	0.24	0.38	0.49	0.43	Tons/mo	3.47	6.84	Tons/yr at 102.00 lbs/MMBtu

^a Without producing wells, crane limit is 13,344 gal/yr. with any producing wells, limit is 7,344 gal/yr (Well A-8 brought back to production in February 2009)
^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 Gal (PTO No. 1494)

Platform Grace
PTO No. 1493-Equipment Usage
Rolling 12-Months Ending:
Mar-10

Equipment	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Monthly Units	12-Month Total	Permit Limit	12-Mo. & Permit Units
Cranes:																
North Crane	0.0	0.0	0.0	0.0	0.0	0.0	84.0	148.0	85.0	190.0	224.0	287.0	Galvmo	996.0	N/A	Galvyr
South Crane	97.0	112.0	163.0	108.0	193.4	138.0	49.0	64.0	20.0	18.0	0.0	0.0	Galvmo	1,022.4	N/A	Galvyr
Crane Total	97.0	112.0	163.0	108.0	193.4	138.0	129.0	208.0	105.0	206.0	224.0	287.0	Galvmo	2,019.4	13,344	Galvyr
Flare Gas Consumption:																
Flashed (HP+LP)	151.0	144.0	112.0	122.0	118.0	37.0	102.0	119.0	102.0	64.0	64.0	57.0	MSSCFvmo	1,119	N/A	MMSCFvyr
Unflashed (HP+LP)	0.0	0.0	0.0	188.0	0.0	0.0	0.0	2.0	0.0	0.0	12.0	0.0	MSSCFvmo	0.20	N/A	MMSCFvyr
Pilot Purge (HP+LP)																
Flare Gas Total	151.0	144.0	112.0	310.0	118.0	37.0	102.0	121.0	102.0	64.0	76.0	57.0	MSSCFvmo	1,139	7.19	MMSCFvyr
Generators:																
G-2 (Emergency)	0.0	11.0	315.0	190.0	0.0	520.0	0.0	704.0	4,162.0	25.0	0.0	0.0	Galvmo	5,927.00	65,800	Galvyr
G-3	1.8	2.9	2.2	2.8	2.7	3.1	2.8	2.7	0.4	0.6	0.0	0.0	MMSCFvmo	21.12	61.10	MMSCFvyr
4B BHP Sterer Engine	3.8	8.0	5.4	47.3	0.0	7.2	0.0	5.0	63.0	4.1	0.0	3.5	Galvmo	148.20	7,315	Galvyr
P-19 Firewater Pump	87.0	79.0	9.0	43.3	0.0	0.0	0.0	15.4	0.0	14.4	0.0	0.0	Galvmo	48.90	Exempt	Galvyr
Portable Equipment											103.0	34.0	Galvmo	399.50	Exempt	Galvyr
Production Engines																
G-1A	0.6	0.0	0.0	0.0	0.0	2.4	0.8	0.0	0.0	1,114.1	1,858.3	1,357.3	MMSCFvmo	4,133.21	N/A	MMSCFvyr
G-1B	0.6	0.0	0.5	0.0	0.0	0.0	0.0	1.0	6.7	1,978.1	890.3	1,752.1	MMSCFvmo	4,679.33	N/A	MMSCFvyr
Production ICE Total	1.2	0.0	0.5	0.0	0.0	2.4	0.8	1.0	6.7	3,092.2	2,748.6	2,809.4	MMSCFvmo	8.76	80.00	MMSCFvyr
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	MMSCFvmo	0.00	N/A	MMSCFvyr
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	MMSCFvmo	0.00	N/A	MMSCFvyr
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	MMSCFvmo	0.00	N/A	MMSCFvyr
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	MMSCFvmo	0.00	N/A	MMSCFvyr
Diesel Backup Generator																
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Galvmo	0.00	4,300	Galvyr
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	Bblvmo	0.000	20	Bblvyr
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	Bblvmo	0.000	20	Bblvyr
V-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Bblvmo	0.000	3980	Bblvyr
Solvent Usage																
Z-502	0.0	9.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	3.0	0.0	0.0	Galvmo	0.02	N/A	Tonsvyr ROC at 1.84 Bblgal
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	Galvmo	0.00	N/A	Tonsvyr ROC at 1.84 Bblgal
Total Solvents	0.0	9.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	3.0	0.0	0.0	Galvmo	0.02	4.46	Tonsvyr ROC
Total Coolings																
Boats:																
Crew Boat Fuel:	3,018.4	2,343.2	3,618.5	3,476.6	4,031.7	4,130.7	3,992.5	4,856.8	3,908.7	4,488.0	3,568.4	4,009.0	Galvmo	45,283	N/A	Galvyr
WPH Boat Fuel:	3,895.0	3,389.4	1,924.8	733.8	0.0	0.0	0.0	139.0	3,483.8	5,211.9	4,849.9	0.0	Galvmo	23,497	N/A	Galvyr
Total Boat Fuel:	6,913.4	5,732.6	5,543.3	4,191.4	4,031.7	4,130.7	3,992.5	4,786.8	7,392.5	9,699.9	8,398.3	4,009.0	Galvmo	68,780	96,792	Galvyr
Boat Emissions : tons																
ROC	0.11	0.10	0.09	0.07	0.07	0.07	0.07	0.09	0.12	0.16	0.14	0.07	Tonsvmo	1.15	1.90	Tonsvyr at 31.58 lbs/MWH
NDC	1.94	1.61	1.53	1.38	1.14	1.16	1.12	1.34	2.07	2.72	2.36	1.12	Tonsvmo	19.29	32.11	Tonsvyr at 661.00 lbs/MWH
PM	0.12	0.10	0.09	0.07	0.07	0.07	0.07	0.08	0.13	0.15	0.14	0.07	Tonsvmo	1.15	1.92	Tonsvyr at 33.50 lbs/MWH
SOX	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.04	0.03	0.02	Tonsvmo	0.28	0.42	Tonsvyr at 7.50 lbs/MWH
CO	0.35	0.29	0.28	0.23	0.21	0.21	0.20	0.24	0.38	0.49	0.43	0.20	Tonsvmo	3.61	6.84	Tonsvyr at 102.00 lbs/MWH

^a Without producing wells, crane limit is 13,344 galvyr with any producing wells, limit is 7,344 galvyr (Net A-B brought back to production in February 2009)

^b Permit Limit for 7.05 MMSCFvyr for HP and 0.15 MMSCFvyr for LP

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

OTHER
ANALYSES
&
SUPPORT

CLIENT OEC
PROJECT NAME: Oilfied - SCAQMD
LABORATORY NO: 10-030
SAMPLING DATE: January 11, 2010
RECEIVING DATE: January 12, 2010
ANALYSIS DATE: January 12, 2010
REPORT DATE: January 12, 2010

Laboratory Analysis Report

Analysis Method	SCAQMD 307-91				
Detection Limits	0.1 PPMV				
Analyte	Client ID	Pit. Gail Fuel Gas	Pit. Gail Fuel Gas Duplicate	Pit. Grace Fuel Gas	Pit. Grace Fuel Gas Duplicate
	OEC ID	1000102-01	1000102-02	1000102-03	1000102-04
	Sampling Date	1/11/2010	1/11/2010	1/11/2010	1/11/2010
	Lab ID	01210-11	01210-12	01210-13	01210-14
	Units	PPMV	PPMV	PPMV	PPMV
Hydrogen Sulfide	<0.1	0.3	0.2	0.2	
Carbonyl Sulfide	2.5	2.7	<0.1	<0.1	
Methyl Mercaptan	0.5	0.6	<0.1	<0.1	
Ethyl Mercaptan	0.2	0.2	<0.1	<0.1	
Un-Identified S Compounds	1.0	1.2	<0.1	<0.1	
TRS as H ₂ S	4.2	4.9	0.2	0.2	

TRS: Total Reduced Sulfur as Hydrogen Sulfide

Dr. Andrew Kitto
 President



Oilfield Environmental and Compliance, INC.

Venoco, Inc. - Carpinteria
5675 Carpinteria Ave.
Carpinteria CA, 93013

Project: Annual SCAQMD Samples
Project Number: Platform Gail & Grace
Project Manager: Pat Corcoran

Reported:
18-Jan-10 10:17

Plt. Grace Inlet to T-13
1000102-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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ROC by ASTM E-260-85 /8260M/5030

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ROC (C3-C10)	ND	50	ug/L	1	A001130	12-Jan-10	12-Jan-10	ASTM E-260 (mod)	
Surrogate: Dibromofluoromethane		106 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	70-130		"	"	"	"	

Plt. Grace Inlet to T-2
1000102-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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ROC by ASTM E-260-85 /8260M/5030

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ROC (C3-C10)	ND	50	ug/L	1	A001130	12-Jan-10	12-Jan-10	ASTM E-260 (mod)	
Surrogate: Dibromofluoromethane		102 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	70-130		"	"	"	"	

Oilfield Environmental and Compliance

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

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GENERAL PETROLEUM

2/25/10

Letter of Conformance

This is to certify that the CARB Ultra Low sulfur dyed Diesel Fuel sold and Delivered to VENOCO PLATFORM GAIL AND GRACE FROM 01/01/09-12/31/09 was in compliance with South Coast Air Quality Management District Requirements for Santa Barbara, Ventura and Los Angeles Counties.

The test Results meet ASTM D-4294 and is typical of all CARB Ultra Low Sulfur Dyed Diesel Fuel sold by General Petroleum. The sulfur content is Guaranteed to be less than .0015%. (15PPM) The high heat content is typically in the 19,950 to 20,200 BTU per pound range.

Hope Bowles

General Manager
General Petroleum
Oxnard Division
Office (805) 299-1219

