BEACON WEST
ENERGY GROUP

May 15, 2018

Mr. Dan Searcy
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, 2017 through March 31, 2018

Dear Mr. Searcy:

Pursuant to the requirements of the Title V Part 70 Federal Operating Permit No. 1493, Beacon West Energy Group, LLC is submitting the Platform Grace Part 70 Annual Compliance Certification Report for the reporting period of April 1, 2017 through March 31, 2018.

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

Sincerely,

John Garnett
EHSR Advisor

Encl.

cc: Gerardo Rios, U.S. EPA Region 9

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9, at the following address:

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

Confidentiality

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

Signature and Title of Responsible Official:	Date:
Title: EVP-EHSR	5/15/18

Time Period Covered by Compliance Certification

04 / 01 / 2017 (MM/DD/YY) to 03 / 31 / 2018 (MM/DD/YY)

Ventura County Air Pollution Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: 74.9N7	D. Frequency of monitoring: Periodic
B. Description: Emergency Standby Stationary Internal Combustion Engines Operated During Either an Emergency or Maintenance Operation	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.9N8	D. Frequency of monitoring: Periodic
B. Description: Stationary diesel-fired internal combustion engines with permitted capacity factor of 15% or less.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Records containing data for each engine verifying the manufacturer's specified maximum hourly fuel consumption, data specifying the actual annul 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.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.9N9	D. Frequency of monitoring: Periodic
B. Description: Stationary diesel-fired internal combustion engines used to power cranes and welding equipment	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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 emission standards are not federally enforceable.**	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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, C-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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: PO1493PC2-Conditions Nos. 1, 2 and 5	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO1493PC2-Conditions Nos. 3 and 4	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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 NOx measurements utilizing a portable analyzer are being recorded, The G-03 generator was taken out of service and was not source tested during the reporting period.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: 50	D. Frequency of monitoring:
B. Description: Opacity requirements	Annually
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 52	D. Frequency of monitoring:
B. Description: Particulate Matter – Concentration requirements (grain loading)	None
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
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.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 54.B.1 (OCS)	D. Frequency of monitoring:
B. Description: Sulfur Compounds – Sulfur emission concentration requirements at point of discharge	Periodic
	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County Air Pollution Control District

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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: Records are maintained substantiating that only PUC natural gas is combusted at the facility.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: 71.4.B.3	D. Frequency of monitoring: None
B. Description: Well cellar storage prohibition	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification including routine surveillance and visual inspections that no crude oil or petroleum material was stored in a well cellar except during periods of equipment maintenance or well workover, and in no case, no storage for more than 5 days. No well cellars are on Platform Grace.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.6	D. Frequency of monitoring: Periodic
B. Description: Surface cleaning and degreasing requirements including ROC content limits, application and storage requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Records of current material list of ROC-containing material used in solvent cleaning activities are maintained. Routine surveillance of the applicable solvent cleaning activities is also performed.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.10	D. Frequency of monitoring: Daily, Weekly, Quarterly, Annually
B. Description: Fugitive leak and leak inspection requirements for components at crude oil production and processing facilities.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Weekly visual inspections of pumps, Daily, Weekly, Quarterly monitoring of specified components. All other components not exempt are monitored annually. Detected leaks are visibly tagged. Annual update to Operator Management Plan. Notification of major leaks and repeat leaks.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: 74.11.1	D. Frequency of monitoring: None
B. Description: Large Water Heaters and Small Boilers	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that Platform Grace does not have any applicable units.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.22	D. Frequency of monitoring: None
B. Description: Natural gas-fired, fan-type central furnaces – NO_x limits and certification requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual certification that Platform Grace does not have any applicable units.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.1	D. Frequency of monitoring: Periodic
B. Description: Abrasive blasting requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Routine surveillance including assuring that visual inspections, operation, equipment and recordkeeping requirements are being met,.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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A. Attachment # or Permit Condition #: 74.2	D. Frequency of monitoring:
B. Description: Architectural coating requirements	Periodic
	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 74.16	D. Frequency of monitoring:
B. Description: Oilfield Drilling Operations	None
	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 40CFR.61.M	D. Frequency of monitoring:
B. Description: National Emissions Standards for Asbestos	None
	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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

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

A. Attachment # or Permit Condition #: 40CFR63ZZZZN3	D. Frequency of monitoring: Periodic
B. Description: RICE MACT for emergency diesel engines – oil change and inspections. Applies to 600 BHP Caterpillar Diesel Back-up Generator Engine (G-02) and 120 BHP Detroit Diesel Emergency Firewater Pump Engine (P-19)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Maintain maintenance records, use of non-resettable hour meter. Annual compliance certification that maintenance records are maintained and that non-resettable hour meter is in use.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 40CFR63ZZZZN4	D. Frequency of monitoring: Periodic
B. Description: RICE MACT for non- emergency diesel engines less than or equal to 300 HP – oil change and inspections. Applies to North and South Crane Diesel Engines.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Maintain maintenance records. Annual compliance certification that maintenance records are maintained..	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 17 to 03 / 31 / 18

A. Attachment # or Permit Condition #: 40CFR63ZZZZN7	D. Frequency of monitoring: Periodic
B. Description: RICE MACT for spark ignited remote engines greater than 500 HP – oil change and inspections. Applies to G-1 series and G-6 series generator engines.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Maintain maintenance records. Annual compliance certification that maintenance records are maintained..	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO1493PC8	D. Frequency of monitoring: Periodic
B. Description: VCAPCD Rules 29 and 71.4 – Drain Pit Operation. Applies to 7.07 sqft Deck Drain Pit.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual compliance certification that the deck drain pit is being used as a containment berm.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 2017 (MM/DD/YY) to 03 / 31 / 2018 (MM/DD/YY)

A. Attachment # or Permit Condition #: **No Deviations during the reporting period.**	B. Equipment description:	C. Deviation Period: Date & Time Begin: _____ End: _____ When Discovered: Date & Time
D. Parameters monitored:	E. Limit:	F. Actual:
G. Probable Cause of Deviation:	H. Corrective actions taken:	

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

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 17 (MM/DD/YY) to 03 / 31 / 18 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Generator G-1A			NOX
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.2 ppmv @ 15% O2	5 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

A. Emission Unit Description:			B. Pollutant:
Generator G-1A			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
18.0 ppmv @ 15% O2	71 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

A. Emission Unit Description:			B. Pollutant:
Generator G-1A			ROC
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
<0.5 ppmv @ 15% O2	14 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

A. Emission Unit Description:			B. Pollutant:
Generator G-1B			NOX
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
1.1 ppmv @ 15% O2	5 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

A. Emission Unit Description:			B. Pollutant:
Generator G-1B			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
34.2 ppmv @ 15% O2	71 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 17 (MM/DD/YY) to 03 / 31 / 18 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Generator G-1B			ROC
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
<0.5 ppmv @ 15% O2	14 ppmv @ 15% O2	AIR-X Job # 2079 Report # 218-005	01/24/2018

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

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

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

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

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Apr-17

Equipment	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	116.0	56.0	126.5	120.0	88.0	100.0	114.0	101.0	57.0	71.0	61.0	78.0	Gal/mo	1,088.5	N/A	Gal/yr
South Crane	0.0	38.0	0.0	0.0	0.0	73.0	0.0	67.0	0.0	30.0	0.0	0.0	Gal/mo	208.0	N/A	Gal/yr
Crane Total	**116.0**	**94.0**	**126.5**	**120.0**	**88.0**	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**Gal/mo**	**1,297**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	441.0	396.0	449.0	399.0	392.0	388.0	394.0	345.0	345.0	328.0	450.0	331.0	MSCF/mo	4.66	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	17.0	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)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**441.0**	**396.0**	**449.0**	**416.0**	**392.0**	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**MSCF/mo**	**4.68**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.0	0.0	0.0	0.0	Gal/mo	**180.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	15.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	3.0	0.0	0.0	Gal/mo	**25.00**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	0.0	8.0	0.0	0.0	16.0	0.0	0.0	9.5	0.0	0.0	0.0	Gal/mo	33.50	Exempt	Gal/yr
Portable Equipment	20.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	60.00	Exempt	Gal/yr
Production Engines																
G-1A	1,265.1	1,274.8	1,673.5	942.2	3,243.7	2,287.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	MSCF/mo	24,761.27	N/A	MMSCF/yr
G-1B	2,038.3	2,017.9	1,538.7	1,655.4	0.0	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	MSCF/mo	13,498.57	N/A	MMSCF/yr
Production ICE Total	**3,303.4**	**3,292.7**	**3,212.2**	**2,597.6**	**3,243.7**	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**MSCF/mo**	**38.26**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,377.0	1,310.5	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	Bbls/mo	**15.439**	**20**	**MBbl/yr**
T-3B	1,377.0	1,310.5	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	Bbls/mo	**15.439**	**20**	**MBbl/yr**
V-8	2,754.0	2,621.0	2,701.0	2,647.0	2,541.0	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	3,005.0	3,155.0	Bbls/mo	**31.953**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	60.0	46.5	35.0	28.8	39.0	3.5	50.3	38.0	23.4	6.7	12.9	35.4	Gal/mo	379.52	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,540.0	1,440.0	1,740.0	1,370.0	1,161.0	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	Gal/mo	19,621	N/A	Gal/yr
Work Boat Fuel:	2,695.0	1,260.0	1,522.5	1,198.8	1,015.9	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	Gal/mo	17,556	N/A	Gal/yr
Total Boat Fuel:	4,235.0	2,700.0	3,262.5	2,568.8	2,176.9	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	Gal/mo	**37,177**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.07	0.04	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	Tons/mo	**0.62**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	1.19	0.76	0.92	0.72	0.61	1.12	0.82	0.90	0.87	0.75	0.80	0.98	Tons/mo	**10.43**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.07	0.05	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	Tons/mo	**0.62**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.14**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.22	0.14	0.17	0.13	0.11	0.20	0.15	0.16	0.16	0.14	0.15	0.18	Tons/mo	**1.90**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
May-17

Equipment	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	56.0	126.5	120.0	88.0	100.0	114.0	101.0	57.0	71.0	61.0	78.0	71.0	Gal/mo	1,043.5	N/A	Gal/yr
South Crane	38.0	0.0	0.0	0.0	73.0	0.0	67.0	0.0	30.0	0.0	0.0	0.0	Gal/mo	208.0	N/A	Gal/yr
Crane Total	**94.0**	**126.5**	**120.0**	**88.0**	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**Gal/mo**	**1,252**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	396.0	449.0	399.0	392.0	388.0	394.0	345.0	345.0	328.0	450.0	331.0	320.0	MSCF/mo	4.54	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)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**396.0**	**449.0**	**416.0**	**392.0**	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**MSCF/mo**	**4.55**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.0	0.0	0.0	0.0	0.0	Gal/mo	**180.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	15.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	3.0	0.0	0.0	5.0	Gal/mo	**30.00**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	8.0	0.0	0.0	16.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0	Gal/mo	41.50	Exempt	Gal/yr
Portable Equipment	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	40.00	Exempt	Gal/yr
Production Engines																
G-1A	1,274.8	1,673.5	942.2	3,243.7	2,267.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	MSCF/mo	24,513.17	N/A	MMSCF/yr
G-1B	2,017.9	1,538.7	1,655.4	0.0	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	MSCF/mo	13,619.51	N/A	MMSCF/yr
Production ICE Total	**3,292.7**	**3,212.2**	**2,597.6**	**3,243.7**	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**MSCF/mo**	**38.13**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,310.5	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	Bbls/mo	**15,329**	**20**	**MBbl/yr**
T-3B	1,310.5	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	Bbls/mo	**15,329**	**20**	**MBbl/yr**
V-8	2,621.0	2,701.0	2,647.0	2,541.0	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	3,005.0	3,155.0	Bbls/mo	**31,800**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	46.5	35.0	28.8	39.0	3.5	50.3	38.0	23.4	6.7	12.9	35.4	12.9	Gal/mo	332.43	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,440.0	1,740.0	1,370.0	1,161.0	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	Gal/mo	19,241	N/A	Gal/yr
Work Boat Fuel:	1,260.0	1,522.5	1,198.8	1,015.9	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	Gal/mo	16,891	N/A	Gal/yr
Total Boat Fuel:	2,700.0	3,262.5	2,568.8	2,176.9	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	Gal/mo	**36,132**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.04	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	Tons/mo	**0.60**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.76	0.92	0.72	0.61	1.12	0.82	0.90	0.87	0.75	0.80	0.98	0.89	Tons/mo	**10.14**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	Tons/mo	**0.61**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.14**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.14	0.17	0.13	0.11	0.20	0.15	0.16	0.16	0.14	0.15	0.18	0.16	Tons/mo	**1.84**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Jun-17

Equipment	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	126.5	120.0	88.0	100.0	114.0	101.0	57.0	71.0	61.0	78.0	71.0	96.0	Gal/mo	1,083.5	N/A	Gal/yr
South Crane	0.0	0.0	0.0	73.0	0.0	67.0	0.0	30.0	0.0	0.0	0.0	0.0	Gal/mo	170.0	N/A	Gal/yr
Crane Total	**126.5**	**120.0**	**88.0**	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**Gal/mo**	**1,254**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	449.0	399.0	392.0	388.0	394.0	345.0	345.0	328.0	450.0	331.0	320.0	357.0	MSCF/mo	4.50	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	17.0	0.0	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)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**449.0**	**416.0**	**392.0**	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**MSCF/mo**	**4.52**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**180.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	0.0	0.0	5.0	0.0	0.0	2.0	3.0	0.0	0.0	5.0	215.7	Gal/mo	**230.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	8.0	0.0	0.0	16.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0	0.0	Gal/mo	41.50	Exempt	Gal/yr
Portable Equipment	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	30.00	Exempt	Gal/yr
Production Engines																
G-1A	1,673.5	942.2	3,243.7	2,287.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	MSCF/mo	23,757.27	N/A	MMSCF/yr
G-1B	1,538.7	1,655.4	0.0	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	MSCF/mo	14,071.11	N/A	MMSCF/yr
Production ICE Total	**3,212.2**	**2,597.6**	**3,243.7**	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**MSCF/mo**	**37.83**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	Bbls/mo	**15,275**	**20**	**MBbl/yr**
T-3B	1,350.5	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	Bbls/mo	**15,275**	**20**	**MBbl/yr**
V-8	2,701.0	2,647.0	2,541.0	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	3,005.0	3,155.0	Bbls/mo	**31,662**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	35.0	28.8	39.0	3.5	50.3	38.0	23.4	6.7	12.9	35.4	12.9	6.2	Gal/mo	292.11	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,740.0	1,370.0	1,161.0	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	Gal/mo	20,537	N/A	Gal/yr
Work Boat Fuel:	1,522.5	1,198.8	1,015.9	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	Gal/mo	15,981	N/A	Gal/yr
Total Boat Fuel:	3,262.5	2,568.8	2,176.9	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	Gal/mo	**36,518**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	Tons/mo	**0.61**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.92	0.72	0.61	1.12	0.82	0.90	0.87	0.75	0.80	0.98	0.89	0.87	Tons/mo	**10.24**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	Tons/mo	**0.61**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.14**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.17	0.13	0.11	0.20	0.15	0.16	0.16	0.14	0.15	0.18	0.16	0.16	Tons/mo	**1.86**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Jul-17

Equipment	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	120.0	88.0	100.0	114.0	101.0	57.0	71.0	61.0	78.0	71.0	96.0	19.0	Gal/mo	976.0	N/A	Gal/yr
South Crane	0.0	0.0	73.0	0.0	67.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	170.0	N/A	Gal/yr
Crane Total	**120.0**	**88.0**	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**Gal/mo**	**1,146**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	399.0	392.0	388.0	394.0	345.0	345.0	328.0	450.0	331.0	320.0	357.0	359.0	MSCF/mo	4.41	N/A	MMSCF/yr
Unplanned (HP+LP)	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.02	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**416.0**	**392.0**	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**MSCF/mo**	**4.43**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**180.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	0.0	5.0	0.0	0.0	2.0	3.0	0.0	0.0	5.0	215.7	0.0	Gal/mo	**230.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	0.0	16.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0	0.0	0.0	Gal/mo	33.50	Exempt	Gal/yr
Portable Equipment	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	20.00	Exempt	Gal/yr
Production Engines																
G-1A	942.2	3,243.7	2,287.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	MSCF/mo	23,713.07	N/A	MMSCF/yr
G-1B	1,655.4	0.0	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	MSCF/mo	15,562.11	N/A	MMSCF/yr
Production ICE Total	**2,597.6**	**3,243.7**	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**MSCF/mo**	**39.28**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	Bbls/mo	**15.215**	**20**	**MBbl/yr**
T-3B	1,323.5	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	Bbls/mo	**15.215**	**20**	**MBbl/yr**
V-8	2,647.0	2,541.0	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	3,005.0	3,155.0	Bbls/mo	**31.496**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	28.8	39.0	3.5	50.3	38.0	23.4	6.7	12.9	35.4	12.9	6.2	24.8	Gal/mo	281.86	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,370.0	1,161.0	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	Gal/mo	20,201	N/A	Gal/yr
Work Boat Fuel:	1,198.8	1,015.9	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	Gal/mo	15,687	N/A	Gal/yr
Total Boat Fuel:	2,568.8	2,176.9	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	Gal/mo	**35,888**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	Tons/mo	**0.59**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.72	0.61	1.12	0.82	0.90	0.87	0.75	0.80	0.98	0.89	0.87	0.74	Tons/mo	**10.07**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.04	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	Tons/mo	**0.60**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.13**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.13	0.11	0.20	0.15	0.16	0.16	0.14	0.15	0.18	0.16	0.16	0.13	Tons/mo	**1.83**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Aug-17

Equipment	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	88.0	100.0	114.0	101.0	57.0	71.0	61.0	78.0	71.0	96.0	19.0	51.0	Gal/mo	907.0	N/A	Gal/yr
South Crane	0.0	73.0	0.0	67.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	170.0	N/A	Gal/yr
Crane Total	**88.0**	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**Gal/mo**	**1,077**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	392.0	388.0	394.0	345.0	345.0	328.0	450.0	331.0	320.0	357.0	359.0	382.0	MSCF/mo	4.39	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**392.0**	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**MSCF/mo**	**4.39**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	180.00	55,900	Gal/yr
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	0.00	51.10	MMSCF/yr
48 BHP Starter Engine	0.0	5.0	0.0	0.0	2.0	3.0	0.0	0.0	5.0	215.7	0.0	3.0	Gal/mo	233.70	7,315	Gal/yr
P-19 Firewater Pump	0.0	16.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	Gal/mo	33.50	Exempt	Gal/yr
Portable Equipment	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	10.00	Exempt	Gal/yr
Production Engines																
G-1A	3,243.7	2,287.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	MSCF/mo	24,219.77	N/A	MMSCF/yr
G-1B	0.0	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	MSCF/mo	16,936.41	N/A	MMSCF/yr
Production ICE Total	**3,243.7**	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**MSCF/mo**	**41.16**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	Bbls/mo	15,192	20	MBbl/yr
T-3B	1,270.5	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	Bbls/mo	15,192	20	MBbl/yr
V-8	2,541.0	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	3,005.0	3,155.0	Bbls/mo	31,361	3960	MBbl/yr
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	39.0	3.5	50.3	38.0	23.4	6.7	12.9	35.4	12.9	6.2	24.8	20.3	Gal/mo	273.36	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,161.0	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	Gal/mo	20,033	N/A	Gal/yr
Work Boat Fuel:	1,015.9	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	Gal/mo	15,540	N/A	Gal/yr
Total Boat Fuel:	2,176.9	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	Gal/mo	**35,573**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	Tons/mo	**0.59**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.61	1.12	0.82	0.90	0.87	0.75	0.80	0.98	0.89	0.87	0.74	0.63	Tons/mo	**9.98**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.04	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	Tons/mo	**0.60**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.13**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.11	0.20	0.15	0.16	0.16	0.14	0.15	0.18	0.16	0.16	0.13	0.11	Tons/mo	**1.81**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Sep-17

Equipment	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	100.0	114.0	101.0	57.0	71.0	61.0	78.0	71.0	96.0	19.0	51.0	39.0	Gal/mo	858.0	N/A	Gal/yr
South Crane	73.0	0.0	67.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	170.0	N/A	Gal/yr
Crane Total	**173.0**	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**Gal/mo**	**1,028**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	388.0	394.0	345.0	345.0	328.0	450.0	331.0	320.0	357.0	359.0	382.0	369.0	MSCF/mo	4.37	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**388.0**	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**MSCF/mo**	**4.37**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	Gal/mo	**270.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	5.0	0.0	0.0	2.0	3.0	0.0	0.0	5.0	215.7	0.0	3.0	0.0	Gal/mo	**233.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	16.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	20.0	Gal/mo	53.50	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	2,287.2	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	MSCF/mo	20,976.07	N/A	MMSCF/yr
G-1B	1,307.6	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	MSCF/mo	19,751.31	N/A	MMSCF/yr
Production ICE Total	**3,594.8**	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**MSCF/mo**	**40.73**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	Bbls/mo	**15.158**	**20**	**MBbl/yr**
T-3B	1,310.0	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	Bbls/mo	**15.158**	**20**	**MBbl/yr**
V-8	2,620.0	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	3,005.0	3,155.0	Bbls/mo	**31.402**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	3.5	50.3	38.0	23.4	6.7	12.9	35.4	12.9	6.2	24.8	20.3	0.0	Gal/mo	234.36	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	3,060.0	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	Gal/mo	20,402	N/A	Gal/yr
Work Boat Fuel:	927.5	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	Gal/mo	15,863	N/A	Gal/yr
Total Boat Fuel:	3,987.5	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	Gal/mo	**36,265**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	Tons/mo	**0.60**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	1.12	0.82	0.90	0.87	0.75	0.80	0.98	0.89	0.87	0.74	0.63	0.80	Tons/mo	**10.17**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.07	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	Tons/mo	**0.61**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.14**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.20	0.15	0.16	0.16	0.14	0.15	0.18	0.16	0.16	0.13	0.11	0.15	Tons/mo	**1.85**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Oct-17

Equipment	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	114.0	101.0	57.0	71.0	61.0	78.0	71.0	96.0	19.0	51.0	39.0	50.0	Gal/mo	806.0	N/A	Gal/yr
South Crane	0.0	67.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	97.0	N/A	Gal/yr
Crane Total	**114.0**	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**Gal/mo**	**905**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	394.0	345.0	345.0	328.0	450.0	331.0	320.0	357.0	359.0	382.0	369.0	379.0	MSCF/mo	4.36	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**394.0**	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**MSCF/mo**	**4.36**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	Gal/mo	**270.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	0.0	2.0	3.0	0.0	0.0	5.0	215.7	0.0	3.0	0.0	10.0	Gal/mo	**238.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	0.0	9.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	Gal/mo	37.50	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	3,171.7	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	MSCF/mo	19,388.78	N/A	MMSCF/yr
G-1B	78.2	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	MSCF/mo	20,674.91	N/A	MMSCF/yr
Production ICE Total	**3,249.9**	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**MSCF/mo**	**40.06**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	Bbls/mo	**15.108**	**20**	**MBbl/yr**
T-3B	1,248.0	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	Bbls/mo	**15.108**	**20**	**MBbl/yr**
V-8	2,496.0	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	3,005.0	3,155.0	Bbls/mo	**31.382**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	50.3	38.0	23.4	6.7	12.9	35.4	12.9	6.2	24.8	20.3	0.0	0.0	Gal/mo	230.86	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,400.0	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	Gal/mo	18,363	N/A	Gal/yr
Work Boat Fuel:	1,528.1	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	Gal/mo	15,828	N/A	Gal/yr
Total Boat Fuel:	2,928.1	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	Gal/mo	**34,192**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	Tons/mo	**0.57**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.82	0.90	0.87	0.75	0.80	0.98	0.89	0.87	0.74	0.63	0.80	0.54	Tons/mo	**9.59**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	Tons/mo	**0.57**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.13**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.15	0.16	0.16	0.14	0.15	0.18	0.16	0.16	0.13	0.11	0.15	0.10	Tons/mo	**1.74**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Nov-17

Equipment	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	101.0	57.0	71.0	61.0	78.0	71.0	96.0	19.0	51.0	39.0	50.0	56.0	Gal/mo	750.0	N/A	Gal/yr
South Crane	67.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	97.0	N/A	Gal/yr
Crane Total	**168.0**	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**56.0**	**Gal/mo**	**847**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	345.0	345.0	328.0	450.0	331.0	320.0	357.0	359.0	382.0	369.0	379.0	304.0	MSCF/mo	4.27	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-61 - Meter GR-83)															
Flare Gas Total	**345.0**	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**304.0**	**MSCF/mo**	**4.27**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	Gal/mo	**270.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	2.0	3.0	0.0	0.0	5.0	215.7	0.0	3.0	0.0	10.0	3.0	Gal/mo	**241.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	9.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	Gal/mo	37.50	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	1,850.6	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	0.0	MSCF/mo	16,217.08	N/A	MMSCF/yr
G-1B	1,419.2	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	3,038.7	MSCF/mo	23,635.41	N/A	MMSCF/yr
Production ICE Total	**3,269.8**	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**3,038.7**	**MSCF/mo**	**39.85**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	Bbls/mo	**14.388**	**20**	**MBbl/yr**
T-3B	1,283.5	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	Bbls/mo	**14.388**	**20**	**MBbl/yr**
V-8	2,567.0	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	2,473.0	3,005.0	3,155.0	Bbls/mo	**31.359**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	38.0	23.4	6.7	12.9	35.4	12.9	6.2	24.8	20.3	0.0	0.0	0.0	Gal/mo	180.61	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,450.4	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	1,124.8	Gal/mo	18,088	N/A	Gal/yr
Work Boat Fuel:	1,755.6	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	984.2	Gal/mo	15,285	N/A	Gal/yr
Total Boat Fuel:	3,206.0	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	2,109.0	Gal/mo	**33,373**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.03	Tons/mo	**0.55**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.90	0.87	0.75	0.80	0.98	0.89	0.87	0.74	0.63	0.80	0.54	0.59	Tons/mo	**9.36**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.04	Tons/mo	**0.56**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.13**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.16	0.16	0.14	0.15	0.18	0.16	0.16	0.13	0.11	0.15	0.10	0.11	Tons/mo	**1.70**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Dec-17

Equipment	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	57.0	71.0	61.0	78.0	71.0	96.0	19.0	51.0	39.0	50.0	56.0	70.0	Gal/mo	719.0	N/A	Gal/yr
South Crane	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	30.0	N/A	Gal/yr
Crane Total	**57.0**	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**56.0**	**70.0**	**Gal/mo**	**749**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	345.0	328.0	450.0	331.0	320.0	357.0	359.0	382.0	369.0	379.0	304.0	348.0	MSCF/mo	4.27	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**345.0**	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**304.0**	**348.0**	**MSCF/mo**	**4.27**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	Gal/mo	**270.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	2.0	3.0	0.0	0.0	5.0	215.7	0.0	3.0	0.0	10.0	3.0	5.0	Gal/mo	**246.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	9.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	Gal/mo	37.50	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	3,494.3	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	0.0	0.0	MSCF/mo	14,366.48	N/A	MMSCF/yr
G-1B	0.0	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	3,038.7	3,003.6	MSCF/mo	25,219.81	N/A	MMSCF/yr
Production ICE Total	**3,494.3**	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**3,038.7**	**3,003.6**	**MSCF/mo**	**39.59**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	Bbls/mo	**13.105**	**20**	**MBbl/yr**
T-3B	1,259.5	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	Bbls/mo	**13.105**	**20**	**MBbl/yr**
V-8	2,519.0	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	2,473.0	2,521.0	3,005.0	3,155.0	Bbls/mo	**31.313**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	23.4	6.7	12.9	35.4	12.9	6.2	24.8	20.3	0.0	0.0	0.0	0.0	Gal/mo	142.61	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,660.0	1,420.0	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	1,124.8	1,461.0	Gal/mo	18,099	N/A	Gal/yr
Work Boat Fuel:	1,452.5	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	984.2	1,278.4	Gal/mo	14,807	N/A	Gal/yr
Total Boat Fuel:	3,112.5	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	2,109.0	2,739.4	Gal/mo	**32,906**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.03	0.05	Tons/mo	**0.55**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.87	0.75	0.80	0.98	0.89	0.87	0.74	0.63	0.80	0.54	0.59	0.77	Tons/mo	**9.23**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.04	0.05	Tons/mo	**0.55**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.12**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.16	0.14	0.15	0.18	0.16	0.16	0.13	0.11	0.15	0.10	0.11	0.14	Tons/mo	**1.68**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Jan-18

Equipment	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	71.0	61.0	78.0	71.0	96.0	19.0	51.0	39.0	50.0	56.0	70.0	52.0	Gal/mo	714.0	N/A	Gal/yr
South Crane	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	30.0	N/A	Gal/yr
Crane Total	**101.0**	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**56.0**	**70.0**	**52.0**	**Gal/mo**	**744**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	328.0	450.0	331.0	320.0	357.0	359.0	382.0	369.0	379.0	304.0	348.0	334.0	MSCF/mo	4.26	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**328.0**	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**304.0**	**348.0**	**334.0**	**MSCF/mo**	**4.26**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	0.0	Gal/mo	**90.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	3.0	0.0	0.0	5.0	215.7	0.0	3.0	0.0	10.0	3.0	5.0	11.0	Gal/mo	**255.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	0.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	Gal/mo	28.00	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	2,112.2	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	0.0	0.0	1,869.1	MSCF/mo	12,741.28	N/A	MMSCF/yr
G-1B	623.9	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	3,038.7	3,003.6	1,063.4	MSCF/mo	26,283.21	N/A	MMSCF/yr
Production ICE Total	**2,736.1**	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**3,038.7**	**3,003.6**	**2,932.5**	**MSCF/mo**	**39.02**	**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**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	Bbls/mo	**11,845**	**20**	**MBbl/yr**
T-3B	1,163.5	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	Bbls/mo	**11,845**	**20**	**MBbl/yr**
V-8	2,327.0	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	2,473.0	2,521.0	1,056.0	3,005.0	3,155.0	Bbls/mo	**29,850**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/gal
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	6.7	12.9	35.4	12.9	6.2	24.8	20.3	0.0	0.0	0.0	0.0	0.0	Gal/mo	119.21	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,420.0	1,520.1	1,660.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	1,124.8	1,461.0	862.6	Gal/mo	17,301	N/A	Gal/yr
Work Boat Fuel:	1,242.5	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	984.2	1,278.4	754.8	Gal/mo	14,110	N/A	Gal/yr
Total Boat Fuel:	2,662.5	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	2,109.0	2,739.4	1,617.4	Gal/mo	**31,411**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.03	0.05	0.03	Tons/mo	**0.52**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.75	0.80	0.98	0.89	0.87	0.74	0.63	0.80	0.54	0.59	0.77	0.45	Tons/mo	**8.81**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.04	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.04	0.05	0.03	Tons/mo	**0.53**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.12**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.14	0.15	0.18	0.16	0.16	0.13	0.11	0.15	0.10	0.11	0.14	0.08	Tons/mo	**1.60**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Feb-18

Equipment	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	61.0	78.0	71.0	96.0	19.0	51.0	39.0	50.0	56.0	70.0	52.0	0.0	Gal/mo	643.0	N/A	Gal/yr
South Crane	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	0.0	N/A	Gal/yr
Crane Total	**61.0**	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**56.0**	**70.0**	**52.0**	**0.0**	**Gal/mo**	**643**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	450.0	331.0	320.0	357.0	359.0	382.0	369.0	379.0	304.0	348.0	334.0	331.0	MSCF/mo	4.26	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**450.0**	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**304.0**	**348.0**	**334.0**	**331.0**	**MSCF/mo**	**4.26**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**90.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	0.0	5.0	215.7	0.0	3.0	0.0	10.0	3.0	5.0	11.0	0.0	Gal/mo	**252.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	28.00	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	2,621.4	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	0.0	0.0	1,869.1	499.0	MSCF/mo	11,128.08	N/A	MMSCF/yr
G-1B	557.6	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	3,038.7	3,003.6	1,063.4	0.0	MSCF/mo	25,659.31	N/A	MMSCF/yr
Production ICE Total	**3,179.0**	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**3,038.7**	**3,003.6**	**2,932.5**	**499.0**	**MSCF/mo**	**36.79**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	0.0	Bbls/mo	**10.682**	**20**	**MBbl/yr**
T-3B	1,300.5	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	0.0	Bbls/mo	**10.682**	**20**	**MBbl/yr**
V-8	2,601.0	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	2,473.0	2,521.0	1,056.0	0.0	3,005.0	3,155.0	Bbls/mo	**27.523**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	12.9	35.4	12.9	6.2	24.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	112.46	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,520.1	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	1,124.8	1,461.0	862.6	901.6	Gal/mo	16,783	N/A	Gal/yr
Work Boat Fuel:	1,330.1	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	984.2	1,278.4	754.8	788.9	Gal/mo	13,656	N/A	Gal/yr
Total Boat Fuel:	2,850.2	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	2,109.0	2,739.4	1,617.4	1,690.5	Gal/mo	**30,439**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.03	0.05	0.03	0.03	Tons/mo	**0.50**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.80	0.98	0.89	0.87	0.74	0.63	0.80	0.54	0.59	0.77	0.45	0.47	Tons/mo	**8.54**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.04	0.05	0.03	0.03	Tons/mo	**0.51**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.11**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.15	0.18	0.16	0.16	0.13	0.11	0.15	0.10	0.11	0.14	0.08	0.09	Tons/mo	**1.55**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr, with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

Platform Grace
PTO No. 1493 Equipment Usage

Rolling 12-Months Ending:
Mar-18

Equipment	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Monthly Units	12-Month Total	Permit Limit	12-Mo & Permit Units
Cranes:																
North Crane	78.0	71.0	96.0	19.0	51.0	39.0	50.0	56.0	70.0	52.0	0.0	48.0	Gal/mo	630.0	N/A	Gal/yr
South Crane	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	0.0	N/A	Gal/yr
Crane Total	**78.0**	**71.0**	**96.0**	**19.0**	**51.0**	**39.0**	**50.0**	**56.0**	**70.0**	**52.0**	**0.0**	**48.0**	**Gal/mo**	**630**	**13,344**	**Gal/yr[a]**
Flare Gas Consumption:																
Planned (HP+LP)	331.0	320.0	357.0	359.0	382.0	369.0	379.0	304.0	348.0	334.0	331.0	313.0	MSCF/mo	4.13	N/A	MMSCF/yr
Unplanned (HP+LP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MSCF/mo	0.00	N/A	MMSCF/yr
Pilot Purge (HP+LP)	Pilot Purge is accounted for in calculation of Planned Flaring (Meter GR-81 - Meter GR-83)															
Flare Gas Total	**331.0**	**320.0**	**357.0**	**359.0**	**382.0**	**369.0**	**379.0**	**304.0**	**348.0**	**334.0**	**331.0**	**313.0**	**MSCF/mo**	**4.13**	**7.19**	**MMSCF/yr[b]**
Generators:																
G2 (Emergency)	0.0	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**90.00**	**55,900**	**Gal/yr**
G3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MMSCF/mo	**0.00**	**51.10**	**MMSCF/yr**
48 BHP Starter Engine	0.0	5.0	215.7	0.0	3.0	0.0	10.0	3.0	5.0	11.0	0.0	0.0	Gal/mo	**252.70**	**7,315**	**Gal/yr**
P-19 Firewater Pump	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	28.00	Exempt	Gal/yr
Portable Equipment	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
Production Engines																
G-1A	824.6	1,017.0	518.9	1,629.3	1,448.9	0.0	699.9	0.0	0.0	1,869.1	499.0	0.0	MSCF/mo	8,506.70	N/A	MMSCF/yr
G-1B	2,261.8	2,159.2	2,469.5	3,029.7	3,029.7	2,814.9	2,231.2	3,038.7	3,003.6	1,063.4	0.0	3,105.0	MSCF/mo	28,206.70	N/A	MMSCF/yr
Production ICE Total	**3,086.4**	**3,176.2**	**2,988.4**	**4,659.0**	**4,478.6**	**2,814.9**	**2,931.1**	**3,038.7**	**3,003.6**	**2,932.5**	**499.0**	**3,105.0**	**MSCF/mo**	**36.71**	**60.00**	**MMSCF/yr**
Drilling Engines																
G-6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
G-6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MMSCF/mo	0.00	N/A	MMSCF/yr
Drilling ICE Total	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**MMSCF/mo**	**0.00**	**126.72**	**MMSCF/yr**
Diesel Backup Generator													Gal/mo	**0.00**	**4,300**	**Gal/yr**
Tanks Throughputs																
T-3A	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	0.0	0.0	Bbls/mo	**9,381**	**20**	**MBbl/yr**
T-3B	1,241.5	1,267.5	1,256.0	1,291.0	1,300.0	1,236.5	1,260.5	528.0	0.0	0.0	0.0	0.0	Bbls/mo	**9,381**	**20**	**MBbl/yr**
V-8	2,483.0	2,535.0	2,512.0	2,582.0	2,600.0	2,473.0	2,521.0	1,056.0	0.0	0.0	3,005.0	3,155.0	Bbls/mo	**24,922**	**3960**	**MBbl/yr**
Solvent Usage																
Z-Sol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	0.00	N/A	Tons/yr ROC at 1.64 lb/ga
Enviro-Det													Gal/mo	0.00	N/A	Tons/yr ROC at 6.43 lb/gal
Total Solvents	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	**0.00**	**4.45**	**Tons/yr ROC**
Total Coatings	35.4	12.9	6.2	24.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Gal/mo	99.52	Exempt	Gal/yr
Boats:																
Crew Boat Fuel:	1,860.0	1,160.0	2,736.0	1,404.0	1,201.6	1,530.4	1,020.8	1,124.8	1,461.0	862.6	901.6	1,310.4	Gal/mo	16,573	N/A	Gal/yr
Work Boat Fuel:	1,627.5	2,030.0	350.0	1,228.5	1,051.4	1,339.1	893.2	984.2	1,278.4	754.8	788.9	1,146.6	Gal/mo	13,473	N/A	Gal/yr
Total Boat Fuel:	3,487.5	3,190.0	3,086.0	2,632.5	2,253.0	2,869.5	1,914.0	2,109.0	2,739.4	1,617.4	1,690.5	2,457.0	Gal/mo	**30,046**	**96,792**	**Gal/yr[c]**
Boat Emissions: tons																
ROC	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.03	0.05	0.03	0.03	0.04	Tons/mo	**0.50**	**1.90**	**Tons/yr at 33.15 lbs/MGal**
NOx	0.98	0.89	0.87	0.74	0.63	0.80	0.54	0.59	0.77	0.45	0.47	0.69	Tons/mo	**8.43**	**32.11**	**Tons/yr at 561.00 lbs/MGal**
PM	0.06	0.05	0.05	0.04	0.04	0.05	0.03	0.04	0.05	0.03	0.03	0.04	Tons/mo	**0.50**	**1.92**	**Tons/yr at 33.50 lbs/MGal**
SOx	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	Tons/mo	**0.11**	**0.42**	**Tons/yr at 7.50 lbs/MGal**
CO	0.18	0.16	0.16	0.13	0.11	0.15	0.10	0.11	0.14	0.08	0.09	0.13	Tons/mo	**1.53**	**5.84**	**Tons/yr at 102.00 lbs/MGal**

[a] Without producing wells, crane limit is 13,344 gal/yr; with any producing wells, limit is 7,344 gal/yr

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

[c] Boat fuel usage is tracked at Platform Gail (PTO No. 1494)

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

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: 5VA0058

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

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

- Service records are attached.

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

PLATFORM GRACE GENERATOR SERVICE

1500 HO
3000 HO
SERVICI

DATE: 2/12/2017
UNIT: G-1A
HOURS: 35092
MECHANIC: LARRY HAYES, JOEY TRIPP

1500 HOUR SERVICE

REPLACE SPARK PLUGS:
COMMENTS:
CHANGE OIL FILTERS:
COMMENTS:
CHANGE CRANK CASE OIL:
COMMENTS:
REPLACE AIR FILTERS: PRE FILTERS: GEN INTAKE FILTERS:
COMMENTS:

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: SPINNER II PAPER INSERT:
COMMENTS:
REPLACE 02 SENSORS:
COMMENTS:

SERVICE / REPAIR

G-1 & G-6 SERIES PART NUMBERS & QTY

SPARK PLUG:(16) CHAMPION 1224 RL85G 02 SENSOR: (3) BOSCH 75-1521 (4-WIRE) OIL FILTERS: (6) BA
AIR FILTER: (2) DONALDSON P111098 AIR PRE-FILTER: (2) DONALDSON P607314 GEN INTAKE FILTER: (4) 16 X 25 X
SPINNER II 3600: (1) 73358 600 HD/360 PAPER INSERT CAT ELEMENT GASKET: (2) 102" LID: (1) 77"
BELTS: (4) GOODYEAR 5VX1000

SIGNATURE Larry Hayes

Per APCD rules regulation, 74.9, Stationary Internal Combustion Engine

Condition PQ11493PC5

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

G-1A Month: APRIL Year: 2017

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (If needed)		Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17	4	2	10:54					WC
18	5	3	0:55					DG
19	1	18	8:18					DG
20	4	2	5:34					DG
21	2	3	6:40					LH
22	3	1	16:32					LH
23	3	5	18:13					JT
24	4	2	6:07					JT
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1A Month:MAY Year: 2017

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21	1	5	14:30					LH
22	3	3	6:12					LH
23	2	3	1:42					DG
24	1	5	2:28					WC
25	2	4	0:20					WC
26	2	5	6:07					WC
27	1	2	6:20					WC
28	3	3	3:05					WC
29	2	3	2:50					WC
30	3	2	2:41					WC
31	5	2	5:31					DG

Condition PQ11493PC5

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

G-1A Month:June Year: 2017

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1	2	5	5:41					DG
2	5	10	5:38					DG
3	3	2	5:27					DG
4	2	12	5:34					DG
5	4	5	5:34					DG
6	2	6	2:28					JT
7								
8								
9								
10								
11								
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13								
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27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1A MONTH: July YEAR: 2017

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	2	3	15:00					LH
16	4	0	5:31					DG
17	2	1	5:20					DG
18	2	1	3:42					JT
19	2	1	1:57					WC
20	2	1	0:36					WC
21	2	1	1:32					WC
22	2	1	1:37					WC
23	2	1	1:23					WC
24	3	1	0:28					WC
25	3	2	1:09					WC
26	2	2	5:26					DG
27	3	2	5:06					DG
28	2	3	5:55					DG
29	3	3	5:49					DG
30	2	1	5:35					DG
31	4	2	6:00	G-1A				DG

Condition PQ11493PC5

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

G-1A Month: AUG Year: 2017 G1-A

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1	2	8	3:27					JT
2	2	5	6:01					WC
3	2	3	0:33					WC
4	2	5	0:27					WC
5	3	3	3:38					WC
6	2	8	2:39					WC
7	4	9	4:14					WC
8	1	41	4:20					WC
9	4	33	8:05					DG
10	1	23	5:49					DG
11	1	44	14:42					LH
12	1	52	8:00					LH
13	1	41	7:28					LH
14								
15								
16								
17								
18								
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22								
23								
24								
25								
26								
27								
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29								
30								
31								

Condition PQ11493PC5

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

G-1A SEPT. 2017

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (If needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
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Condition PQ11493PC5

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

G-1A Month: OCT. Year: 2017

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)		Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	4	6	6:35					JB
16	2	0	2:09					JB
17	3	37	0:17					JB
18	2	15	5:45					JT
19	2	15	5:25					JT
20	3	28	5:18					JT
21	2	28	5:30					JT
22	1	20	5:52					JT
23								
24								
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1A Month: NOV. Year: 2017

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (If needed)		Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
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G-1A Month: DEC. Year 2017

INITIAL NOX/CO TEST				CTIVE 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	6:38		Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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31								

Condition PQ11493PC5

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

G-1A Month: Jan Year: 2018

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11	3	2	10:10					SM
12	3	20	7:45					LH
13	1	32	8:40					LH
14	2	14	7:36					LH
15	2	11	7:49					SM
16	1	13	6:32					SM
17	1	30	9:11					SR
18	4	20	12:40					DA
19	1	8	8:57					SR
20	2	28	10:01					SR
21	1	30	11:33					SR
22	1	37	8:45					SR
23	2	12	7:14					SR
24	2	22	10:21					SM
25	1	16	5:40					SM
26	1	12	5:33					SM
27	1	12	5:33					SM
28	1	24	5:23					SM
29	1	16	5:36					SM
30	1	24	4:20					SM
31	2	13	7:56					SR

Condition PQ11493PC5

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

Feb. 2018
G-1A

FEB. 2018

INITIAL NOX/CO TEST				CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	Corrective Actions Taken (In the event that initial test result is NOX greater than 5 ppmv @ 15% O2 and/or CO is greater than 71ppmv a@15% O2)		Secondary Reading (ppmv @ 15% O2) (if needed)	Time	Tester's Initials
Day	Nox	CO			Nox	CO		
1	1	9	7:06					SR
2	1	20	7:15					SR
3	1	16	7:19					SR
4	4	28	10:57					SR
5	1	1	7:02					SR
6	1	22	6:02					SR
7	1	20	5:08					SM
8	8	14	5:26					SM
9	2	35	5:31					SM
10	2	26	5:40					DE
11	1	14	5:40					DE
12	1	12	6:07					DE
13								
14								
15								
16								
17								
18								
19								
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21								
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23								
24								
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26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1A Month: MARCH Year: 2018

	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		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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ENGINE DATA FOR THE CATERPILLAR (G-1B)

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Serial No.: 5VA00572

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

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

- Service records are attached.

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

PLATFORM GRACE GENERATOR SERVICE

☐ 1500 HOUR SERVICE
☑ 3000 HOUR SERVICE
☐ SERVICE / REPAIR

DATE: 1-11-18
UNIT: G-1B
HOURS: 42305
MECHANIC: LARRY & SEAN

1500 HOUR SERVICE

REPLACE SPARK PLUGS: ☑ YES ☐ NO
COMMENTS:
CHANGE OIL FILTERS: ☑ YES ☐ NO
COMMENTS:
CHANGE CRANK CASE OIL: ☑ YES ☐ NO
COMMENTS:
REPLACE AIR FILTERS: ☐ YES ☑ NO **PRE FILTERS:** ☑ YES ☐ NO **GEN INTAKE FILTERS:** ☐ YES ☑ NO
COMMENTS:

3000 HOUR SERVICE

ACID CLEAN CATALYST ELEMENT: ☑ YES ☐ NO **SPINNER II PAPER INSERT:** ☐ YES ☑ NO
COMMENTS:
REPLACE O2 SENSORS: ☑ YES ☐ NO
COMMENTS:

SERVICE / REPAIR

G-1 & G-6 SERIES PART NUMBERS & QTY

SPARK PLUG:(16) CHAMPION 1224 RL85G **O2 SENSOR:** (3) BOSCH 75-1521 (4-WIRE) **OIL FILTERS:** (6) BALDWIN PT670
AIR FILTER: (2) DONALDSON P111098 **AIR PRE-FILTER:** (2) DONALDSON P607314 **GEN INTAKE FILTER:** (4) 16 X 25 X 2
SPINNER II 3600: (1) 73358 600 HD/360 PAPER INSERT **CAT ELEMENT GASKET:** (2) 102" **LID:** (1) 77"
BELTS: (4) GOODYEAR 5VX1000

SIGNATURE Larry Hayes

Per APCD rules regulation, 74.9, Stationary Internal Combustion Engine

Condition PQ11493PC5

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

G-1B Month: April Year: 2017

	INITIAL NOX/CO TEST			CORRECTIVE ACTIONS		SECONDARY NOX/CO TEST		
	Initial Reading (ppmv @ 15%O2)		Time	April 2017 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		
1	2	1	0:53					WC
2	2	6	0:32					WC
3	2	5	0:51					WC
4	2	2	2:38					WC
5	4	2	5:21					DG
6	2	3	5:42					DG
7	4	4	5:41					DG
8	2	1	5:52					DG
9	3	7	5:09					DG
10	2	1	5:30AM					DG
11	2	5	5:00					JB
12	2	2	0:29					JB
13	1	1	0:27					JB
14	2	3	5:31					JB
15	1	2	2:17					JB
16	5	4	1:37					JB
17	2	1	1:47					JB
18								
19								
20								
21								
22								
23								
24								
25	3	1	5:37					JT
26	1	1	0:58					WC
27	3	3	3:21					WC
28	5	2	0:38					WC
29	2	1	1:07					WC
30	2	10	0:41					WC
31								

Condition PQ11493PC5

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

G-1B MONTH:MAY YEAR:2016

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		
1	2	5	1:11					WC
2	1	5	0:50					WC
3	2	17	5:21					DG
4	2	2	5:21					DG
5	1	12	7:15					DG
6	2	8	5:25					DG
7	3	6	5:52					DG
8	4	0	6:00					DG
9	1	4	4:06					JT
10	1	10	0:57					JB
11	1	6	1:27					JB
12	4	2	1:41					JB
13	2	11	0:42					JB
14	4	4	2:02					JB
15	2	15	0:46					JB
16	2	18	0:53					JB
17	4	15	5:32					JT
18	2	6	5:32					JT
19	2	14	6:21					LH
20	2	1	6:23					LH
21	2	10	5:58					LH
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1B — June-17

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		
1								
2								
3								
4								
5								
6								
7	5	8	0:56					JB
8	3	1	1:15					JB
9	1	13	1:21					JB
10	3	17	1:14					JB
11	3	25	1:16					JB
12	4	23	0:57					JB
13	4	23	0:57					JB
14	2	56	5:35					DG
15	5	35	5:41					DG
16	5	33	5:50					DG
17	3	20	5:41					DG
18	4	41	5:47					DG
19	3	18	5:40					DG
20	2	30	0:43		3	41	3:25 JT	JB
21	4	2	2:26					JB
22	3	27	1:29					JB
23	4	3	2:00					JB
24	3	46	0:48					JB
25	3	45	1:48					JB
26	4	41	1:07					JB
27	4	41	1:07					JB
28	4	29	5:29					JT
29	3	66	5:40					JT
30	2	69	7:27		0	3	17:30	LH
31								

Condition PQ11493PC5

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

G-1B Month:JULY Year: 2017 G1-B

	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		
1	0	1	6:34					LH
2	1	0	7:15					LH
3	3	1	5:56					LH
4	3	0	0:50					DG
5	3	0	0:55					JB
6	3	0	1:01					JB
7	2	0	1:06					JB
8	1	1	0:53					JB
9	1	1	0:56					WC
10	1	1	2:11					WC
11	0	1	2:14					WC
12	0	1	5:35					DG
13	0	3	5:32					DG
14	0	4	5:45					DG
15	0	18	5:37					DG
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1B Month:AUG Year: 2017

	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		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13	1	5	9:47					LH
14	1	31	6:54					LH
15	1	35	5:12					JT
16	1	36	0:51					JB
17	0	15	0:43					JB
18	1	41	1:07					JB
19	0	35	1:02					JB
20	0	33	1:44					JB
21	0	48	0:39					JB
22	1	30	0:52					JT
23	0	16	5:41					JT
24	0	14	5:22					JT
25	0	17	5:31					JT
26	0	22	5:47					JT
27	1	17	5:59					JT
28	0	19	5:42					JT
29	0	20	1:52					DG
30	1	32	1:03					JB
31	0	24	0:54					JB

Condition PQ11493PC5

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

G-1B Month: Sept Year: 2017

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		
1	1	20	1:21					JB
2	1	14	0:17					JB
3	0	23	0:20					JB
4	0	26	1:28					JB
5	1	14	0:53					JB
6	0	17	1:50					DG
7	0	29	5:37					DG
8	1	57	5:17					DG
9	1	45	6:16					LH
10	0	32	6:49					LH
11	0	41	5:55					LH
12	0	64	12:04					JT
13	0	43	4:23					WC
14	1	30	3:29					WC
15	1	47	5:27					WC
16	0	36	3:22					WC
17	0	22	2:50					WC
18	1	38	1:30					WC
19	0	47	1:10					WC
20	0	20	5:57					JT
21	1	20	5:45					JT
22	0	17	5:21					JT
23	0	18	6:04					JT
24	0	19	5:17					JT
25	1	18	5:27					JT
26	0	17	2:42					DG
27	1	51	1:32					WC
28	0	25	1:16					WC
29	0	27	1:44					WC
30	0	9	6:27					WC
31								

Condition PQ11493PC5

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

G-1B Month October 2017

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		
1	0	28	0:58					WC
2	0	34	1:29					WC
3	0	30	0:56					WC
4	0	14	5:28					DG
5	0	18	5:29					DG
6	0	15	5:39					DG
7	0	19	5:19					DG
8	0	17	7:45					DG
9	0	17	5:31					DG
10	0	38	4:22					JT
11	0	19	1:16					JB
12	1	58	0:22					JB
13	0	24	0:48					JB
14	0	23	1:55					JB
15	0	25	0:18					JB
16								
17								
18								
19								
20								
21								
22	0	5	16:15					JT
23	0	26	5:59					JT
24	0	4	1:14					DG
25	0	5	0:29					JB
26	0	8	1:12					JB
27	0	29	0:53					JB
28	0	51	0:44					JB
29	0	17	2:07					JB
30	1	36	2:01					JB
31	1	35	1:23					JB

G-1B Month November 2017

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		
1	1	63	1:29					CR
2	1	26	5:26					DG
3	0	19	5:31					DG
4	0	20	6:02					DG
5	0	19	6:29					DG
6	0	26	6:45					DG
7	1	34	5:30					DG
8	1	24	2:02					JB
9	1	15	1:44					JB
10	1	28	1:34					JB
11	1	26	2:00					JB
12	1	16	2:08					JB
13	1	25	1:48					JB
14	1	3	1:38					JB
15	0	14	6:36					JT
16	0	15	6:49					JT
17	0	11	6:54					JT
18	0	14	6:55					JT
19	0	16	6:28					JT
20	0	13	6:52					JT
21	0	13	2:11					DG
22	0	30	2:21					JB
23	0	17	1:44					JB
24	0	13	2:16					JB
25	0	28	2:03					JB
26	0	16	2:16					JB
27	0	12	1:27					SR
28	0	14	1:14					SR
29	0	25	6:31					DG
30	0	11	6:23					DG

Condition PQ11493PC5

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

G-1B Month: DEC. Year: 2017

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	1	5	6:26					DG
2	0	12	6:30					DG
3	0	6	6:50					DG
4	3	4	6:38					DG
5	0	6	5:41					JT
6	1	11	1:42					JB
7	1	5	3:12					JB
8	1	8	1:34					JB
9	0	9	1:51					JB
10	1	15	2:10					JB
11	1	8	2:29					JB
12	0	7	1:47					JB
13	0	22	7:10					LH
14	0	11	7:55					LH
15	0	25	8:25					LH
16	3	6	10:51					LH
17	0	20	7:41					LH
18	0	31	7:39					LH
19	1	28	4:40					DG
20	0	8	2:10					JB
21	0	31	1:37					JB
22	1	8	2:29					JB
23	0	9	2:02					JB
24	0	3	1:42					JB
25	1	6	2:22					JB
26	2	21	1:33					JB
27	0	15	2:26					DG
28	0	12	2:54					DG
29	0	28	3:54					DG
30	0	34	4:13					DG
31	0	6	5:08					DG

Condition PQ11493PC5

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

G-1B Month: Jan Year: 2018

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		
1	0	9	5:54					DG
2	0	26	1:43					DG
3	1	21	17:15					DA
4	1	10	6:01					JB
5	1	15	5:48					JB
6	0	22	5:46					JB
7	0	30	5:42					JB
8	1	13	7:07					JB
9	1	38	7:13					DA
10	0	31	6:31					DA
11	0	20	8:00					SM
12								
13								
14								
15								
16	1	36	11:20					SR
17								SR
18								
19								
20								
21								
22								
23	0	24	1:56					SM
24	0	63	5:55					SM
25								
26								
27								
28								
29								
30								
31								

Condition PQ11493PC5

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

G-1B Month: FEBRUARY Year: 2018

	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		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	0	30	12:04					DE
13	0	46	5:41					LH
14	0	34	8:22					SR
15	0	50	7:37					SR
16	1	24	8:01					SR
17	0	30	7:48					SR
18	1	26	7:05					SR
19	3	36	7:01					SR
20	0	39	6:07					SR
21	0	33	5:43					DE
22	2	30	5:47					DE
23	0	40	5:47					DE
24	3	54	5:56					DE
25	0	65	6:03					DE
26	1	34	5:52					DE
27	1	46	5:31					DE
28	1	19	10:22					RS
29								
30								
31								

Condition PQ11493PC5

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

G-1B Month: MARCH Year: 2018

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		
1	1	57	8:35					RS
2	1	24	6:38					RS
3	1	32	6:16					RS
4	0	38	6:08					RS
5	1	42	5:45					RS
6	2	45	5:56					RS
7	1	28	5:45					DE
8	1	39	5:59					DE
9	1	57	5:58					DE
10	1	32	5:40					DE
11	1	28	5:50					DE
12	0	35	5:55					DE
13	0	48	10:32					RS
14	1	32	5:48					RS
15	2	41	5:53					RS
16	1	31	6:01					RS
17	2	40	6:03					RS
18	1	46	5:57					RS
19	1	32	5:59					RS
20	0	53	5:38					RS
21	3	27	4:06					SM
22	1	24	4:01					SM
23	2	41	4:01					SM
24	3	40	4:00					SM
25	2	43	5:45					DE
26	4	33	5:45					DE
27	1	33	5:45					DE
28	1	48	10:23					RS
29	2	40	6:06					RS
30	1	42	6:03					RS
31	1	63	6:30					RS

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

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

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

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

Source Test Report: None

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

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

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

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

Source Test Report: None

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

Engine Manufacturer: Caterpillar

Model No.: G-399 SI-TA HCR

Engine Location: Drilling Deck

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

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

Source Test Report: None

ENGINE DATA FOR THE WAUKESHA ENGINE (G-03)

Engine Manufacturer: Waukesha

Model No.: F3521G (SI)

Serial No.: 289729

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

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

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

Source Test Report: None

Beacon West - Carpinteria	Project: Platform GRACE	
5675 Carpinteria Ave.	Project Number: Annual Platform Grace T-2 & T-3 Produced Water	**Reported:**
Carpinteria CA, 93013	Project Manager: John Garnett	04/26/2018 09:48

ANALYTICAL REPORT FOR SAMPLES

1801728-01 (Water)

T-2 Produced Water

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ROC by ASTM E-260-85 /8260M/5030									
ROC (C3-C10)	ND	1000	ug/L	20	B8D0575	04/20/18	04/20/18	ASTM E260 Mod.	TPH-Samp
Surrogate: Dibromofluoromethane		*104 %*	*(82 - 121)*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*(68 - 124)*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*(80 - 116)*		"	"	"	"	

1801728-02 (Water)

T-13 Produced Water

Analyte	Result	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ROC by ASTM E-260-85 /8260M/5030									
ROC (C3-C10)	ND	1000	ug/L	20	B8D0575	04/20/18	04/20/18	ASTM E260 Mod.	TPH-Samp
Surrogate: Dibromofluoromethane		*103 %*	*(82 - 121)*		"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*	*(68 - 124)*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*(80 - 116)*		"	"	"	"	

Letter of Conformance

February 9, 2018

This is to certify that the CARB Ultra Low sulfur dyed Diesel Fuel sold and delivered to Venoco Platform Gail & Grace from 1/1/2017-12/31/2017.

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

Terri Merritt

Terri Merritt

Account Manager
SC Fuels
Oxnard Division
Office (805)299-1217
merrittt@scfuels.com

3815 E. VINEYARD AVE, OXNARD, CA 93030 * MAILING ADDRESS: P.O. BOX 50540, OXNARD, CA 93031-0540

OPACITY ANNUAL FORMAL SURVEY REPORT

PLATFORM GRACE

Venoco, Inc.

2017

Operator's Initials	Date	Time	Emissions Unit	Were there any visible emissions? Please check one: Yes	No	Not Running at Time Survey was Performed	If yes, did the emissions last for a period or periods aggregating more than three (3) minutes in any one (1) hour? Please check one: Yes (Include No. of Minutes)	No
JBG	6/22/17		Waukesha Engine (G-03)			X		
JBG	6/22/17	11:35	Caterpillar Engine (G1-A)		X			
JBG	6/22/17		Caterpillar Engine (G1-B)			X		
JBG	6/22/17		Back-up Generator (G-02)			X		
JBG	6/22/17		Turbine Starter Engine (C-5B)			X		
JBG	6/22/17		South Crane			X		
JBG	6/22/17	11:25	North Crane		X			
JBG	6/22/17	11:25	High Pressure Flare		X			
JBG	6/22/17	11:25	Low Pressure Flare		X			
			~~Boom Boat (Monarch)~~			REMOVED		
			Boom Boat (Boomer) ON GAIL			N/A		
JBG	6/22/17	11:05	Crew Boat		X			
JBG	6/22/17		Work Boat			X		
JBG	6/22/17		Emergency Fire Water Pump			X		
JBG	6/22/17		Abrasive Blasting Operations			X		