OMB Control No. 1010-0151 OMB Approval Expires: 12/31/2011

| COMPANY | |
|----------------------------|------|
| AREA | |
| BLOCK | |
| LEASE | |
| PLATFORM | |
| WELL | |
| DISTANCE TO SHORE IN MILES | |
| DRILLING RIG NAME | |
| DRILLING RIG TYPE | |
| COMPANY CONTACT | |
| TELEPHONE NO. | |
| EMAIL ADDRESS | |
| REMARKS | |
| START YEAR | 2015 |

| | TERM PIPELINE CONSTRUCTION INFORMATION: |
|------|---|
| YEAR | TOTAL NUMBER OF CONSTRUCTION DAYS |
| 2015 | |
| 2016 | |
| 2017 | |
| 2018 | |
| 2019 | |
| 2020 | |
| 2021 | |
| 2022 | |
| 2023 | |
| 2024 | |

| Fuel Usage Conversion Factors | Natural Gas Turbines (SCF/hp-hr) | Natural Gas Engines (SCF/hp-hr) | Diesel Recip. Engine (GAL/hp-hr) | Diesel Turbines (GAL/hp-hr) |
|-------------------------------|-------------------------------------|---------------------------------------|--|--------------------------------|
| | 9.524 | 9.524 | 0.051 | 0.073 |

| Equipment/Emission Factors | UNITS | PM10-PRI | PM2.5-PRI | SO2 | SOx | NOx | voc | СО | Pb | NH3 | CO2 | CH4 | N2O |
|---|--------------------|----------|-----------|----------|--------------|------------------|------------------|----------------|----------|------|----------|----------|-------|
| NG Turbines | lbs/MMBtu | 0.0019 | 0.0019 | 0.00057 | 0.00057 | 0.32 | 0.0021 | 0.082 | N/A | N/A | 110 | 8.60E-03 | 0.003 |
| Diesel Turbines | lbs/MMBtu | 0.0043 | 0.0043 | 0.00152 | 0.00152 | 0.88 | 0.00041 | 0.0033 | 1.40E-05 | N/A | 157 | N/A | N/A |
| NG 2-cycle Lean Engine | lbs/MMBtu | 0.0384 | 0.0384 | 5.88E-04 | 5.88E-04 | 3.17 | 0.12 | 0.386 | N/A | N/A | 110 | 1.45 | N/A |
| NG 4-cycle Lean Engine | lbs/MMBtu | 7.71E-05 | 7.71E-05 | 5.88E-04 | 5.88E-04 | 4.08 | 0.118 | 0.557 | N/A | N/A | 110 | 1.25 | N/A |
| NG 4-cycle Rich Engine | lbs/MMBtu | 0.0095 | 0.0095 | 5.88E-04 | 5.88E-04 | 2.27 | 0.0296 | 3.72 | N/A | N/A | 110 | 0.23 | N/A |
| Diesel Recip. Engine < 600 hp. | lbs/MMBtu | 0.31 | 0.31 | 0.29 | 0.29 | 4.41 | 0.33 | 0.95 | N/A | N/A | 164 | N/A | N/A |
| Diesel Recip. Engine < 600 hp. | lbs/hp-hr | 2.20E-03 | 2.20E-03 | 2.05E-03 | 2.05E-03 | 3.10E-02 | 2.29E-03 | 6.68E-03 | N/A | N/A | 521.6 | N/A | N/A |
| Gasoline Recip. Engine < 600 hp. | lbs/MMBtu | 0.1 | 0.1 | 0.084 | 0.084 | 1.63 | 3.03 | 0.99 | N/A | N/A | 154 | N/A | N/A |
| Gasoline Recip. Engine < 600 hp. | lbs/hp-hr | 7.21E-04 | 7.21E-04 | 5.91E-04 | 5.91E-04 | 1.10E-02 | 2.16E-02 | 6.96E-03 | N/A | N/A | 489.9 | N/A | N/A |
| Diesel Recip. Engine > 600 hp. | lbs/MMBtu | 0.0573 | 0.0556 | 0.001515 | 0.001515 | 3.2 | 0.0819 | 0.85 | N/A | N/A | 165 | N/A | N/A |
| Diesel Recip. Engine > 600 hp. | lbs/hp-hr | 7.00E-04 | 7.00E-04 | 1.21E-05 | 1.21E-05 | 2.40E-02 | 6.42E-04 | 5.50E-03 | N/A | N/A | 526.2 | N/A | N/A |
| Diesel Heater/Boiler/Burner >100 MMBtu/hr | lbs/kgal | 1 | 0.25 | 0.213 | 0.213 | 24 | 0.2 | 5 | 1.22E-03 | 0.80 | 2.23E+04 | 0.052 | 0.26 |
| Diesel Heater/Boiler/Burner <100 MMBtu/hr | lbs/kgal | 1 | 0.25 | 0.213 | 0.213 | 20 | 0.2 | 5 | 1.22E-03 | 0.80 | 2.23E+04 | 0.052 | 0.26 |
| NG Heater/Boiler/Burner >100 MMBtu/hr | lbs/MMscf | 1.9 | 1.9 | 0.6 | 0.6 | 280 | 5.5 | 84 | 0.0005 | 3.20 | 1.20E+05 | 2.3 | 2.2 |
| NG Heater/Boiler/Burner <100 MMBtu/hr | lbs/MMscf | 1.9 | 1.9 | 0.6 | 0.6 | 100 | 5.5 | 84 | 0.0005 | 3.20 | 1.20E+05 | 2.3 | 2.2 |
| NG Flares | lbs/MMscf | 17.1 | 17.1 | 0.6 | 0.6 | 3045.0 | 6.3 | 357.0 | N/A | N/A | 1.20E+05 | 132.3 | 2.1 |
| Liquid Flaring | lbs/kgal | 2.3 | 1.55 | 142 | 142 | 20 | 0.34 | 5 | 1.22E-03 | N/A | N/A | N/A | N/A |
| Tank Vapors | tons/yr/tank | N/A | N/A | N/A | N/A | N/A | 2.98 | N/A | N/A | N/A | N/A | N/A | N/A |
| Fuguitives | lbs/component/day | | | • | See Fugitive | THC Emission Fac | tors in tab "Fug | tive Factors". | • | | • | • | |
| Glycol Dehydrator Vent | tons/yr/dehydrator | N/A | N/A | N/A | N/A | N/A | 16.77 | N/A | N/A | N/A | N/A | N/A | N/A |
| Gas Venting | tons/yr/vent | N/A | N/A | N/A | N/A | N/A | 31.95 | N/A | N/A | N/A | N/A | N/A | N/A |
| Amine Gas Sweetening Unit | tons/yr/unit | N/A | N/A | 14.1 | N/A | N/A | 0.96 | N/A | N/A | N/A | N/A | N/A | N/A |
| Loading Operations | tons/yr/operation | N/A | N/A | N/A | N/A | N/A | 0.65 | N/A | N/A | N/A | N/A | N/A | N/A |
| Mud Degassing, Water-based | lbs/day/operation | N/A | N/A | N/A | N/A | N/A | 236.54 | N/A | N/A | N/A | N/A | N/A | N/A |
| Mud Degassing, Oil-based | lbs/day/operation | N/A | N/A | N/A | N/A | N/A | 53.22 | N/A | N/A | N/A | N/A | N/A | N/A |
| Mud Degassing, Synthetic-based | lbs/day/operation | N/A | N/A | N/A | N/A | N/A | 53.22 | N/A | N/A | N/A | N/A | N/A | N/A |
| Pneumatic Pumps | | | | | | | | | | | | | |

Pressure Level Controllers

Calculated based on information entered on Emissions tabs and Fugitive THC Emission Factors shown below NH3 Source: Battye R., W. Battye, C. Overcash, and S. Fudge; Development and Selection of Ammonia Emission Factors - Final Report. EC/R Incorporated; Durham, NC. Report prepared for USEPA Office of Research and Development; August, 1994.

Sulfur Content for Stationary Sources

| Canal Content for Classonary Cources | | |
|--------------------------------------|--------|----------|
| Sulfur Content Source | Value | Units |
| Fuel Gas (as H ₂ S) | 3.38 | ppmv |
| Diesel Fuel* | 0.0015 | % weight |
| Produced Gas (Flares) | 3.38 | ppmv |
| Produced Oil (Liquid Flaring) | 1 | % weight |

^{*} Revise the surrogate diesel fuel sulfur content if not using ultra low-sulfur fuel.

Fugitive THC Emission Factors (lbs/component-day)

| | Connector | Flange | Open-end | Other | Pump | Valve | MAX | VOC Fraction | CH4 Fraction |
|-----------------------------|-----------|----------|----------|----------|----------|----------|----------|--------------|--------------|
| Fuel | | | · | | · | | | | |
| Gas | 1.10E-02 | 2.10E-02 | 1.10E-01 | 4.70E-01 | 1.30E-01 | 2.40E-01 | 4.70E-01 | 0.0396 | 0.881 |
| Natural Gas Liquid | 1.10E-02 | 5.80E-03 | 7.40E-02 | 4.00E-01 | 6.90E-01 | 1.30E-01 | 6.90E-01 | 0.296 | 0.612 |
| Heavy Oil (<20 API Gravity) | 4.00E-04 | 2.10E-05 | 7.40E-02 | 1.70E-03 | 6.90E-01 | 4.40E-04 | 6.90E-01 | 0.03 | 0.942 |
| Light Oil (>20 API Gravity) | 1.10E-02 | 5.80E-03 | 7.40E-02 | 4.00E-01 | 6.90E-01 | 1.30E-01 | 6.90E-01 | 0.230 | 0.612 |
| Water/Oil | 5.80E-03 | 1.50E-04 | 1.30E-02 | 7.40E-01 | 1.30E-03 | 5.20E-03 | 7.40E-01 | 0.296 | 0.612 |
| Oil/Water/Gas | 1.10E-02 | 2.10E-02 | 1.10E-01 | 7.40E-01 | 1.30E-01 | 2.40E-01 | 7.40E-01 | 0.296 | 0.612 |

Component type "Other" includes compressor seals, diaphragms, drains, dump arms, hatches, instruments, meters, pressure relief valves, polished rods, and vents

Stream type "Oil/Water/Gas" is assumed to be equal to either gas or water/oil, whichever is greater

Default Speciation Weight Fractions for Fugitive THC Emissions by Stream Type

| THC Fraction | Gas | Natural Gas Liquid | Heavy Oil (<20 API Gravity) | Light Oil (>20 API Gravity) | Water/Oil | Oil/Water/Gas |
|--------------|--------|-----------------------|--------------------------------|--------------------------------|-----------|---------------|
| VOC | 0.0396 | 0.296 | 0.03 | 0.296 | 0.296 | 0.296 |
| CH4 | 0.881 | 0.612 | 0.942 | 0.612 | 0.612 | 0.612 |

Default Sales Gas Composition

| Component | Default Mol% | Mole Weight (lb/lb-mole) |
|------------------|--------------|--------------------------|
| CO ₂ | 0.8 | 44.01 |
| CH ₄ | 94.5 | 16.043 |
| C ₂ | 3.33 | 30.07 |
| C ₃ | 0.75 | 44.097 |
| i-C ₄ | 0.15 | 58.124 |
| n-C ₄ | 0.15 | 58.124 |
| i-C ₅ | 0.05 | 72.15 |
| n-C ₅ | 0.05 | 72.15 |
| C ₆ | 0.099 | 86.177 |
| C ₇ | 0.011 | 100.272 |
| C ₈ + | 0.007 | 114.231 |

Source: Developed from average sales gas weight percents for OCS platforms.

Default Mol % column may not sum to 100 due to rounding.

Mud Degassing THC Emission Factors

| Mud Type | Emission Factor (lbs THC/day) |
|-----------------|----------------------------------|
| Water-based | 881.84 |
| Oil-based | 198.41 |
| Synthetic-based | 198.41 |

THC Emission Speciation for Mud Degassing

| Component | Percent Composition by Volume (%) |
|-----------|-----------------------------------|
| Methane | 64.705 |
| Ethane | 7.834 |
| Propane | 12.977 |
| Butane | 8.973 |
| Pentane | 4.873 |

Density and Heat Value of Diesel Fuel

| Density | 7.05 | lbs/gal | Source |
|------------|--------|---------|--|
| Heat Value | 19,300 | Btu/lb | AP42, Chapter 3.3, Table 3.3-1 footnotes |

Density and Heat Value of Gasoline Fuel

| Density | 6.17 | lbs/gal | Source |
|------------|--------|---------|--|
| Heat Value | 20,300 | Btu/lb | AP42, Chapter 3.3, Table 3.3-1 footnotes |

Heat Value of Natural Gas

| Heat Value | 1,050 | MMBtu/MMscf |
|------------|-------|-------------|

| REF. |
|--|
| AP42, Chapter 3.1, Tables 3.1-1 and 3.1-2a |
| AP42, Chapter 3.1, Tables 3.1-1 and 3.1-2a |
| AP42, Chapter 3.2, Table 3.2-1 |
| AP42, Chapter 3.2, Table 3.2-2 |
| AP42, Chapter 3.2, Table 3.2-3 |
| AP42, Chapter 3.3, Table 3.3-1 |
| AP42, Chapter 3.4, Tables 3.4-1 and 3.4-2 |
| AP42, Chapter 3.4, Tables 3.4-1 and 3.4-2 |
| AP42, Chapter 1.3, Tables 1.3-1 through 1.3-3, 1.3-6, and 1.3-10; NH3: Battye et al. 1994 |
| AP42, Chapter 1.3, Tables 1.3-1 through 1.3-3, 1.3-6, and 1.3-10; NH3: Battye et al. 1994 |
| AP42, Chapter 1.4, Tables 1.4-1 and 1.4-2; NH3: Battye et al. 1994 |
| AP42, Chapter 1.4, Tables 1.4-1 and 1.4-2; NH3: Battye et al. 1994 |
| AP42, Chapter 13.5 (Draft Section on 8/19/14), Table 13.5-2 |
| AP42, Chapter 1.3, Tables 1.3-1 through 1.3-3, 1.3-6, and 1.3-10 |
| 2011 Gulfwide Inventory; Avg emiss (upper bound of 95% CI) Laiculation vvorkbook for Oir and Gas Production Equipment Pugnive Emissions. Health and |
| Calculation vvolkbook for Oil and Gas Production Equipment Fugitive Emissions. Health and Environmental Sciences Department, American Retroloum Institute (ARI) Publication Number 4638 |
| 2011 Gulfwide Inventory; Avg emiss (upper bound of 95% CI) |
| 2011 Gulfwide Inventory; Avg emiss (upper bound of 95% CI) |
| 2011 Gulfwide Inventory; Avg emiss |
| 2005 Gulfwide Inventory; Avg emiss |
| EPA Report: Atmospheric Emissions from Offshore Oil and Gas Development and Production |

| | | EF (g/kW-hr) | | | | | | | | | | | | | | |
|----------|-------|--------------|---------|--------|-------|-------|----------|----------|--|--|--|--|--|--|--|--|
| Category | PM10 | PM2.5 | SO2 | NOx | VOC | СО | Lead | NH3 | | | | | | | | |
| C1 | 0.070 | 0.068 | 0.00625 | 17.000 | 0.229 | 8.000 | 1.05E-05 | 1.40E-03 | | | | | | | | |
| C2 | 0.182 | 0.176 | 0.00625 | 17.000 | 0.138 | 5.000 | 2.73E-05 | 3.64E-03 | | | | | | | | |
| C3 | 0.469 | 0.455 | 4.16428 | 18.492 | 0.776 | 5.000 | 1.23E-05 | 2.24E-03 | | | | | | | | |

- 1. Penny Carey (EPA) Data C1&C2_EFs_byCY_7-13-09.xls
- 2. http://www.epa.gov/otaq/standards/nonroad/marineci.htm (uncontrolled were higher and therefore us
- 3. Calculated based on Fuel Sulfur (Assume 10,000 ppm Cat 3 and 15 ppm for Cat1/2 based on http:// $^{\prime}$ therefore used)
- 4. Penny Carey (EPA) Data C3 base & ctl inv_wSO2fix_FINAL.xls
- 5. EPA's NEI 2008 Underway HAP Speciation Profile

Emission Adjustment Factors for Operating Loads Less than 20%

| Load (%) | PM | PM | SO ₂ | NO _x | VOC | СО | Pb | NH ₃ |
|----------|-------|-------|-----------------|-----------------|-------|-------|-------|-----------------|
| 1 | 19.17 | 19.17 | 5.99 | 11.47 | 62.24 | 19.32 | 19.17 | 19.17 |
| 2 | 7.29 | 7.29 | 3.36 | 4.63 | 22.24 | 9.68 | 7.29 | 7.29 |
| 3 | 4.33 | 4.33 | 2.49 | 2.92 | 12.26 | 6.46 | 4.33 | 4.33 |
| 4 | 3.09 | 3.09 | 2.05 | 2.21 | 8.1 | 4.86 | 3.09 | 3.09 |
| 5 | 2.44 | 2.44 | 1.79 | 1.83 | 5.89 | 3.89 | 2.44 | 2.44 |
| 6 | 2.04 | 2.04 | 1.61 | 1.6 | 4.57 | 3.25 | 2.04 | 2.04 |
| 7 | 1.79 | 1.79 | 1.49 | 1.45 | 3.7 | 2.79 | 1.79 | 1.79 |
| 8 | 1.61 | 1.61 | 1.39 | 1.35 | 3.1 | 2.45 | 1.61 | 1.61 |
| 9 | 1.48 | 1.48 | 1.32 | 1.27 | 2.65 | 2.18 | 1.48 | 1.48 |
| 10 | 1.38 | 1.38 | 1.26 | 1.22 | 2.31 | 1.96 | 1.38 | 1.38 |
| 11 | 1.3 | 1.3 | 1.21 | 1.17 | 2.06 | 1.79 | 1.3 | 1.3 |
| 12 | 1.24 | 1.24 | 1.18 | 1.14 | 1.85 | 1.64 | 1.24 | 1.24 |
| 13 | 1.19 | 1.19 | 1.14 | 1.11 | 1.68 | 1.52 | 1.19 | 1.19 |
| 14 | 1.15 | 1.15 | 1.11 | 1.08 | 1.54 | 1.41 | 1.15 | 1.15 |
| 15 | 1.11 | 1.11 | 1.09 | 1.06 | 1.43 | 1.32 | 1.11 | 1.11 |
| 16 | 1.08 | 1.08 | 1.07 | 1.05 | 1.32 | 1.24 | 1.08 | 1.08 |
| 17 | 1.06 | 1.06 | 1.05 | 1.03 | 1.24 | 1.17 | 1.06 | 1.06 |
| 18 | 1.04 | 1.04 | 1.03 | 1.02 | 1.17 | 1.11 | 1.04 | 1.04 |
| 19 | 1.02 | 1.02 | 1.01 | 1.01 | 1.1 | 1.05 | 1.02 | 1.02 |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Emission Factors for On-Ice Equipment and Vehicles (Onroad Diesel Fuel)

| Pollutant | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x | VOC | СО | Pb | NH ₃ |
|------------------------------|------------------|-------------------|-----------------|-----------------|--------|------|-----|-----------------|
| Emission Factor (lbs/gal) | 0.0425 | 0.0425 | 0.0397 | 0.604 | 0.0493 | 0.13 | N/A | 0.0029 |

| Fuel C nnm | | References | | | | | | | | | | | | |
|------------|------|------------|-----|-----|-----|----|------|-----|--|--|--|--|--|--|
| Fuel S ppm | PM10 | PM2.5 | SO2 | NOx | VOC | СО | Lead | NH3 | | | | | | |
| 15 | 3 | 3 | 3 | 2 | 1 | 2 | 5 | 5 | | | | | | |
| 15 | 3 | 3 | 3 | 2 | 1 | 2 | 5 | 5 | | | | | | |
| 10000 | 3 | 3 | 3 | 2 | 4 | 2 | 5 | 5 | | | | | | |

sed)

www.dieselnet.com/standards/us/fuel.php) (uncontrolled were higher and

| Vessel Type | Category | Engine Type |
|---------------------------|------------------------|-------------------------------|
| Anchor Handling Tugs | N/A | Main (Default kW rating) |
| Anchor Handling Tugs | N/A | Auxiliary (Default kW rating) |
| Drilling | Drillship | Main (Default kW rating) |
| Drilling | Drillship | Auxiliary (Default kW rating) |
| Drilling | Inland Barge | Main (Default kW rating) |
| Drilling | Inland Barge | Auxiliary (Default kW rating) |
| Drilling | Jackup | Main (Default kW rating) |
| Drilling | Jackup | Auxiliary (Default kW rating) |
| Drilling | Platform Rig | Main (Default kW rating) |
| Drilling | Platform Rig | Auxiliary (Default kW rating) |
| Drilling | Semi-submersible | Main (Default kW rating) |
| Drilling | Semi-submersible | Auxiliary (Default kW rating) |
| Drilling | Submersible | Main (Default kW rating) |
| Drilling | Submersible | Auxiliary (Default kW rating) |
| FPSO | N/A | Main (Default kW rating) |
| FPSO | N/A | Auxiliary (Default kW rating) |
| FSO | N/A | Main (Default kW rating) |
| FSO | N/A | Auxiliary (Default kW rating) |
| Ice Breakers | N/A | Main (Default kW rating) |
| Ice Breakers | N/A | Auxiliary (Default kW rating) |
| Pipelaying | N/A | Main (Default kW rating) |
| Pipelaying | N/A | Auxiliary (Default kW rating) |
| Shuttle Tanker | N/A | Main (Default kW rating) |
| Shuttle Tanker | N/A | Auxiliary (Default kW rating) |
| Supply Tender | N/A | Main (Default kW rating) |
| Supply Tender | N/A | Auxiliary (Default kW rating) |
| Support | N/A | Main (Default kW rating) |
| Support | N/A | Auxiliary (Default kW rating) |
| Survey | Seismic Survey Vessels | Main (Default kW rating) |
| Survey | Seismic Survey Vessels | Auxiliary (Default kW rating) |
| Tugs | N/A | Main (Default kW rating) |
| Tugs | N/A | Auxiliary (Default kW rating) |
| Well Stimulation/Fracking | N/A | Main (Default kW rating) |
| Well Stimulation/Fracking | N/A | Auxiliary (Default kW rating) |

| Max kW rating | Main Source |
|---------------|---------------|
| | IHS 2014 Data |
| | IHS 2014 Data |
| 48,000 | ERG 2012 |
| 2,429 | IHS 2014 Data |
| 5,816 | ERG 2012 |
| | IHS 2014 Data |
| 13,422 | ERG 2012 |
| 2,237 | IHS 2014 Data |
| 30,114.35 | ERG 2012 |
| 18,032.00 | IHS 2014 Data |
| 90,000 | ERG 2012 |
| 1,902 | IHS 2014 Data |
| 32,480 | ERG 2012 |
| 1,086 | IHS 2014 Data |
| | IHS 2014 Data |
| 15,280 | IHS 2014 Data |
| | IHS 2014 Data |
| 14,581 | IHS 2014 Data |
| 57,372 | IHS 2014 Data |
| 1,656 | IHS 2014 Data |
| 67,200 | IHS 2014 Data |
| 4,770 | IHS 2014 Data |
| 28,956 | IHS 2014 Data |
| 16,000 | IHS 2014 Data |
| 8,960.00 | IHS 2014 Data |
| 912 | IHS 2014 Data |
| | ERG 2012 |
| | IHS 2014 Data |
| | ERG 2012 |
| | IHS 2014 Data |
| 19,990 | IHS 2014 Data |
| 5,040 | IHS 2014 Data |
| | IHS 2014 Data |
| 2,500 | IHS 2014 Data |

| Notes |
|--|
| |
| |
| Assuming Drillship for Aux |
| Assuming Drillship for Aux |
| Barge Carrier for Inland Barge, memo kW was too small (125 kW) |
| Barge Carrier for Inland Barge, memo kW was too small (125 kW) |
| Assuming Drillship for Aux |
| Floating Production Storage and Offloading (FPSO)*; Assume little propulsion all evaporative |
| Floating Production Storage and Offloading (FPSO)*; Assume little propulsion all evaporative |
| Floating Storage and Offloading (FSO)*; Assume little propulsion all evaporative |
| Floating Storage and Offloading (FSO)*; Assume little propulsion all evaporative |
| |
| |
| Pipe Layer Crane Vessel |
| Pipe Layer Crane Vessel |
| |
| |
| |
| |
| Offshore support vessel for Aux |
| Offshore support vessel for Aux |
| Research Survey for Aux |
| Research Survey for Aux |
| |
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| |

| Operations | Equipment | Methodology |
|-------------|--|--|
| Drilling | PRIME MOVER>600hp Diesel Engine | Emissions (bs/hr) = HP Rating * Emission Factor (lbs/hp-hr) |
| | BURNER >100 MMBtu/hr Diesel Heater/Boiler/Burner | Emissions (lbs/hr) = Total Fuel Use (gal/yr) * Emission Factor (lbs/kgal) * 1 kgal/1,000 gal * 1 yr/365 days * 1 day/24 hrs |
| | AUXILIARY EQUIP<600hp Diesel Engine | Emissions (bishty) = HP Rating * Emission Factor (lbs/ftp-)tr) Emissions (bishty) = Emissions Rate (gi/Wi)*Control in Fuel Sulfur Content]*Max Engine Rating (kW)*O.0022046(big)*Load. For SO., Emissions (bishty) = Emission Rate (gi/Wi)*Max Engine Rating (kW)*O.0022046(big)*Load |
| | DRILLING RIG - Drill Ship, Propulsion | Emissions (ususiny = Emission rate (gr.wy) (actuots in rever sound Comenty make Engine Rating (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty return revenue (kwy) 00.0022046((bbg)*) Load. For SO, Emissions (ususiny = Emission Rate (gr.wy) (actuoty = |
| | DRILLING RIG - Drill Ship, Auxiliary | Emissions (ususiny = Emission Rate (gkW))(accis in rever sound Content) was Engine Rating (kwy) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound Content) was Engine Rating (kwy) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission Rate (gkW)) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. For SO, Emissions (ususiny = Emission) Rate (gkW) (accis in rever sound (viv) 00002004((big)) Load. F |
| | DRILLING RIG - Jackup, Auxiliary | Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load. For SO, Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load |
| | DRILLING RIG - SemiSub, Propulsion | Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load. For SO, Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load |
| | DRILLING RIG - SemiSub, Auxiliary | Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load. For SO, Emissions (bisht) = Emission Rate (g/kW)/factors in Fuel Sulfur Content/Hax Engine Rating (kW)*0.0022406(big)*Load |
| | DRILLING RIG - Sub, Auxiliary VESSELS (Crew/Supply, Cat 1, <805 HP) | Emissions (bishr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046((b)g)*Load. For SO, _Emissions (bishr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046((b)g)*Load. |
| | | Emissions (Ibs/Ihr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(Ibig)*Load For SO, Emissions (Ibs/Ihr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(Ibig)*Load |
| | VESSELS (Crew/Supply, Cat 1, 805 <hp<=1,341)< td=""><td>Emissions (libshir) = Emission Rate (g/kW)/Max Engine Rating (kW)/0.0022046([blg)/Load. For SO, Emissions (libshir) = Emission Rate (g/kW)/liactors in Fuel Sulfur Content/Max Engine Rating (kW)/0.0022046([blg)/Load.</td></hp<=1,341)<> | Emissions (libshir) = Emission Rate (g/kW)/Max Engine Rating (kW)/0.0022046([blg)/Load. For SO, Emissions (libshir) = Emission Rate (g/kW)/liactors in Fuel Sulfur Content/Max Engine Rating (kW)/0.0022046([blg)/Load. |
| | VESSELS (Crew/Supply, Cat 1, 1,341 <hp<=1,877) (crew="" 1,="" cat="" hp="" supply,="" vessels="">1,877)</hp<=1,877)> | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lbfg)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lbfg)*Load |
| | VESSELS (Crew/Supply, Cat/, HP21,877) VESSELS (Crew/Supply, Cat/HP Unknown) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lblg)*Load. For SO_, Emissions (lbs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lblg)*Load |
| | | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lblg)*Load. For SO_, Emissions (lbs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lblg)*Load |
| | VESSELS (Crew/Supply, Auxiliary) VESSELS (Offshore Tug, Cat 1, HP>1,877) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lblg)*Load. For SO_, Emissions (lbs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lblg)*Load |
| | VESSELS (Offshore Tug, Cat 2, 1,877<=HP<2,682) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lbig)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)*(factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lbig)*Load |
| | VESSELS (Offshore Tug, Cat 2, 2,682<=HP<4,962) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Offshore Tug, Cat 2, 2,002<=11 <4,962) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Offshore Tug, Cat/HP Unknown) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Offshore Tug, Auxiliary) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO_, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| Pipeline | VESSELS (Pipelaying, Cat 1, HP>1,877) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO_, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| nstallation | VESSELS (Fipelaying, Cat 1, 111-21,077) VESSELS (Pipelaying, Cat 2, 1,877<=HP<2,682) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Pipelaying, Cat 2, 2,682<=HP<4,962) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Pipelaying, Cat 2, 2,002<-11 (4,502) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Pipelaying, Cat/HP Unknown) | Emissions (ibs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)*[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Pipelaying, Auxiliary) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, <805 HP) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, 805 <hp<=1,341)< td=""><td>Emissions (ibs/hr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)/factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(iblg)*Load</td></hp<=1,341)<> | Emissions (ibs/hr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)/factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Crew/Supply, Cat 1, 1,341 <hp<=1,877)< td=""><td>Emissions (ibs/hr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)/factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(iblg)*Load</td></hp<=1,877)<> | Emissions (ibs/hr) = Emission Rate (g/kW)/Max Engine Rating (kW)*0.0022046(iblg)*Load. For SO_, Emissions (ibs/hr) = Emission Rate (g/kW)/factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(iblg)*Load |
| | VESSELS (Crew/Supply, Cat 1, HP>1,877) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat/HP Unknown) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Auxiliary) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO _a , Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| acility | VESSELS (Offshore Tug, Cat 1, HP>1,877) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lblg)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)f(actors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lblg)*Load |
| nstallation | VESSELS (Offshore Tug, Cat 2, 1,877<=HP<2,682) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Offshore Tug, Cat 2, 2,682<=HP<4,962) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO, Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Offshore Tug, Cat 2, HP>=4,962) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Offshore Tug, Cat/HP Unknown) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Offshore Tug, Auxiliary) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, <805 HP) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)f[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, 805 <hp<=1,341)< td=""><td>Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO₂, Emissions (lbs/hr) = Emission Rate (g/kW)ffactors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load</td></hp<=1,341)<> | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)ffactors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, 1,341 <hp<=1,877)< td=""><td>Emissions (lbs/lhr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO₂, Emissions (lbs/lhr) = Emission Rate (g/kW)flactors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load</td></hp<=1,877)<> | Emissions (lbs/lhr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/lhr) = Emission Rate (g/kW)flactors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat 1, HP>1,877) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)(factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| | VESSELS (Crew/Supply, Cat/HP Unknown) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lblg)*Load. For SO _x , Emissions (lbs/hr) = Emission Rate (g/kW)factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lblg)*Load |
| | VESSELS (Crew/Supply, Auxiliary) | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. For SO ₂ , Emissions (lbs/hr) = Emission Rate (g/kW)[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046(lb/g)*Load |
| Production | RECIP.ENG.<600hp Diesel | Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/hp-hr) |
| | RECIP.ENG.<600hp Gasoline | Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/hp-hr) |
| | RECIP.ENG.>600hp Diesel | Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/hp-hr) |
| | SUPPORT VESSELS, Cat 1, <805 HP | Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046[lbig)*Load. For SO_, Emissions (bs/hr) = Emission Rate (g/kW)/[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046[lbig)*Load |
| | SUPPORT VESSELS, Cat 1, 805 <hp<=1,341< td=""><td>Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046[lbig)*Load. For SO_, Emissions (bs/hr) = Emission Rate (g/kW)/[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046[lbig)*Load.</td></hp<=1,341<> | Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046[lbig)*Load. For SO_, Emissions (bs/hr) = Emission Rate (g/kW)/[factors in Fuel Sulfur Content]*Max Engine Rating (kW)*0.0022046[lbig)*Load. |
| | SUPPORT VESSELS, Cat 1, 1,341 <hp<=1,877< td=""><td>Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(blg)*Load. For SO₂, Emissions (bs/hr) = Emissions Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(blg)*Load Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(blg)*Load. For SO₂, Emissions (bs/hr) = Emissions Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(blg)*Load</td></hp<=1,877<> | Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(blg)*Load. For SO ₂ , Emissions (bs/hr) = Emissions Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(blg)*Load Emissions (bs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(blg)*Load. For SO ₂ , Emissions (bs/hr) = Emissions Rate (g/kW)factors in Fuel Sulfur Content)*Max Engine Rating (kW)*0.0022046(blg)*Load |
| | SUPPORT VESSELS, Cat 1, HP>1,877 | Emissions (bishty) = Emission Rate (gkwy)*Max Engine Rating (kwy)**Cu22244e(logy)**Cude — For Su_, Emissions (bishty) = Emissions (bishty) = Emissions (bishty) = Emissions (bishty) = Emissions (bishty)** Emissions (bish |
| | SUPPORT VESSELS, Cat 2, 1,877<=HP<2,682 | Emissions (usint) = Emission rate (gavry max engine rating (kvy) "coze/ae(qug) "cual . For So, Emissions (usint) = Emission rate (gavry) (pactors in Fuel south content) rate (gavry) (pactors in Fuel so |
| | SUPPORT VESSELS, Cat 2, 2,682<=HP<4,962 | Emissions (usint) = Emission rate (gavvy max engine rating (kwy) cozcave(qug) rouse). For So, Emissions (usint) = Emissions (u |
| | SUPPORT VESSELS, Cat 2, HP>=4,962 | Emissions (usint) = Emission rate (gavry max engine rating (kvy) "coze/ae(qug) "cual . For So, Emissions (usint) = Emission rate (gavry) (pactors in Fuel south content) rate (gavry) (pactors in Fuel so |
| | SUPPORT VESSELS, Cat/HP Unknown | Emissions (usuin y = emission rate (gr.Wy) wax Engine rating (kW) '0.0022046(blg)'1.oad. For So, Emissions (usuin y = Emission Rate (gr.Wy)(actors in level Sulfur Content)'Hax Engine Rating (kW)'0.0022046(blg)'1.oad. For So, Emissions (table y) = Emission Rate (gr.Wy)(actors in level Sulfur Content)'Hax Engine Rating (kW)'0.0022046(blg)'1.oad. |
| | SUPPORT VESSELS, Auxiliary | |
| | NG TURBINE | Emissions (Ibs/In) = Heat Input Capacity (MMBluth) * Emission Factor (Ibs/MMBlu) * Emission Factor (Ibs/MBlu) * Emission Fact |
| | DIECEL TUDDINE | OR Emissions (Ibs/hr) = HP Rating * Emission Factor (Ibs/MMBtu)* * Fuel Heat Value (MMBtu/MMscf) * 1 MMscf/10* scf * Fuel Use Conversion Factor (scf/sp-hr) |
| | DIESEL TURBINE | Emissions (bs/h) = Heat Input Capacity (MMBtu/h) * Emission Factor (bs/MMBtu) OR Emissions (bs/h) = Heat Input Capacity (MMBtu/h) * Emission Factor (bs/MMBtu) The conversion Factor (bs/h) = Heat Capacity (bs/MMBtu) * 1 MMBtu/D) * 1 MMBtu |
| | NO DECIDENCE O CARLA LATA | |
| | NG RECIP.ENG.2 Cycle Lean | Emissions (Ibs/hr) = Heat Input Capacity (MMBtu/hr) * Emission Factor (Ibs/MMBtu) OR Emissions (Ibs/hr) = Heat Input Capacity (MMBtu/hr) * Emission Factor (Ibs/MMBtu) OR Emissions (Ibs/hr) = Heating * Emission Factor (Ibs/MMBtu) * Fuel Heat Value (MMBtu/MMscr) * 1 MMscr/10* scf* Fuel Use Conversion Factor (Isc/Mph) |
| | NC RECIP ENC 4 Cycle Loop | |
| | NG RECIP.ENG.4 Cycle Lean | Emissions (bs/h) = Heat Input Capacity (MMBtu/h) * Emission Factor (bs/MMBtu) OR Emissions (bs/h) = Heat Input Capacity (MMBtu/h) * Emission Factor (bs/MMBtu) OR Emissions (bs/h) = Heating * Emission Factor (bs/MMBtu) * Fuel Heat Value (MMBtu/MMscf) * 1 MMscf/10* scf* Fuel Use Conversion Factor (scf/hp-hr) |
| | 1 | |
| | NG DECID ENG 4 Cycle Dish | |
| | NG RECIP.ENG.4 Cycle Rich | Emissions (Ibs/hr) = Heat Input Capacity (MMBtuhr) * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = Heat Input Capacity (MMBtuhr) * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MMBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MBtu) OB Emissions (Ibs/hr) = UB Equity * Emission Factor (Ibs/MBtu) OB Emissions (Ibs/hr) = UB Emission Factor (Ibs/Hbtu) OB Emission (Ibs/hr) = UB Emission Factor (Ibs/Hbtu) OB Emission (Ibs/hr) |
| | | OR Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/MMBtu) * Fuel Heat Value (MMBtu/MMsct) * 1 MMsct/10* scf * Fuel Use Conversion Factor (scf/hp-hr) |
| | NG HEATER/BOILER/BURNER >100 MMBtu/hr | OR Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/MMBtu) * Fuel Heat Value (MMBtu/MMscf) * 1 MMscf/10* scf * Fuel Use Conversion Factor (scf/hp-hr) Emissions (lbs/hr) = Heat Input Capacity (MMBtu/hr) / Fuel Heat Value (MMBtu/MMscf) * Emission Factor (lbs/MMscf) Emissions (lbs/hr) = Heat Input Capacity (MMBtu/hr) / Fuel Heat Value (MMBtu/MMscf) * Emission Factor (lbs/MMscf) |
| | NG HEATER/BOILER/BURNER >100 MMBtu/hr DIESEL HEATER/BOILER/BURNER >100 MMBtu/hr | OR Emissions (Ibs/hr) = HP Rating * Emission Factor (Ibs/MBBtu)* * Fuel Heat Value (MMBBu/MMscf) * 1 MMscf/10* scf * Fuel Use Conversion Factor (scf/hp-hr) Emissions (Ibs/hr) = Heat Input Capacity (MMBBu/hr) / Fuel Heat Value (MMBBu/MMscf) * Emission Factor (Ibs/MMscf) Emissions (Ibs/hr) = Total Fuel Use (gallyr) * Emission Factor (Ibs/kgal) * 1 kgall/1,000 gal * 1 yr/355 days * 1 day/24 hrs Emissions (Ibs/hr) = Total Fuel Use (gallyr) * Emission Factor (Ibs/kgal) * 1 kgall/1,000 gal * 1 yr/355 days * 1 day/24 hrs |
| | NG HEATER/BOILER/BURNER > 100 MMBtu/hr DIESEL HEATER/BOILER/BURNER > 100 MMBtu/hr NG HEATER/BOILER/BURNER < 100 MMBtu/hr | OR Emissions (lbs/hr) = HP Rating * Emission Factor (lbs/MMBtu) * Fuel Heat Value (MMBtu/MMscf) * 1 MMscf/10* scf * Fuel Use Conversion Factor (scf/hp-hr) Emissions (lbs/hr) = Heat Input Capacity (MMBtu/hr) / Fuel Heat Value (MMBtu/MMscf) * Emission Factor (lbs/Mmscf) Emissions (lbs/hr) = Total Fuel Use (gallyr) * Emission Factor (lbs/kgal) * 1 kgal/1.000 gaf * 1 yr/365 days * 1 day/24 hrs Emissions (lbs/hr) = Heat Input Capacity (MMBtu/hr) / Fuel Heat Value (MMBtu/Mmscf) * Emissions Factor (lbs/Mmscf) |
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| Operations | Equipment | Methodology |
|------------------|---------------------------------------|--|
| | MUD DEGASSING WATER-BASED | Emissions (lbs/hr) = Number of Mud Degassing Operations * Emission Factor (lbs/day/operation) * 1 day/24 hrs |
| | MUD DEGASSING OIL-BASED | Emissions (lbs/hr) = Number of Mud Degassing Operations * Emission Factor (lbs/day/operation) * 1 day/24 hrs |
| | MUD DEGASSING SYNTHETIC-BASED | Emissions (lbs/hr) = Number of Mud Degassing Operations * Emission Factor (lbs/day/operation) * 1 day/24 hrs |
| | PNEUMATIC PUMPS | Emissions (lbs/hr) = Fuel Usage Rate (scf/hr) * Mole Weight of Gas (lbs/lb-mol) * 1 lb-mol/379.4 scf |
| | PRESSURE LEVEL CONTROLLERS | Emissions (lbs/hr) = Fuel Usage Rate (scf/hr) * Mole Weight of Gas (lbs/lb-mol) * 1 lb-mol/379.4 scf |
| Drilling Well | OIL BURN | Emissions (lbs/hr) = Volume Flared (bbl/day) * 42 gal/bbl * 1 kgal/1,000 gal * Emission Factor (lbs/kgal) * 1 day/24 hrs |
| Test | GAS FLARE | Emissions (lbs/hr) = Volume Flared (scf/hr) * Emission Factor (lbs/MMscf) * 1 MMscf/10 ⁶ scf |
| FPS0 | FPSO/FSO propulsion | Emissions (lbs/hr) = Emission Rate (g/kW)*Max Engine Rating (kW)*0.0022046(lb/g)*Load. |
| | Evaporative emissions from lightening | Ev (tons) = (Annual amount of product transferred (gallons)) * (Total organic compound content of crude oil (0.86 lb of TOC/103 gal of crude oil)) * (TOC to VOC conversion factor (0.85)) |
| | | Eb (tons) = (Capacity (gallons)) * 0.40 *(Total organic compound content of crude oil (0.86 lb of VOC/103 gal of crude oil)) *(TOC to VOC conversion factor (0.85)) |
| On Ice Equipment | ON-ICE EQUIPMENT | Emissions (lbs/hr) = Total Fuel Use (gal/yr) * Emission Factor (lbs/kgal) * 1 yr/365 days * 1 day/24 hrs |

To Convert from lbs/hr to tons/yr:
Emissions (tons/yr) = Emissions (lbs/hr) * 1 ton/2,000 lbs * hrs/day * days/yr

AIR SMISSIONS CALCULATIONS - 2011

| | JA MINISON CA, CA, FRONT - JII. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| COMPANY | ANEA 0 | | | | ELOCK . | | LEASE | PLATFI | DFM. | WELL | | CONTACT | | | | HONE | | EMAIL 3.0 | | | REMARKS | | | | | | | | = | | |
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| OPERATIONS DRILLING | EQUIPMENT Category PRIME MOVER | Equipment/Vessel Type | Engine Type | Category Load | ACTIVITY | UNITS 1951 | - O | O SEW | date End date | PM30-PRI Enter Equipme | PM2.5-PRI Enter Equipmen | SO, Sinter Equipment | NO, Setter Squipment | VOC Seter Equipment | CO CO | nter Equipment E | NH, rter Equipment | CO, | CH, Enter Equipment | N,O Letter Equipment | PM10-PR1 Enter Equipment | PM2.5-PRI Sinter Equipment | SO, Sinter Equipment | NO. Enter Equipment | VOC | CO CO | Figurprove | NH, inter Equipment | CO, | CH, rest Equipment | N/O |
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| м | HEATERBOLER/BURNER ISC. FLARE PROCESS VENT GLYCOL DEHYDRATOR VENT | NG Flares Gas Versing Glycol Dehydnator Verst Amine Gas Sweetening Unit Louding Operations Tank Vapors | | | | GALIYR SCEINR Count Count | = | 0 0 | | Enter Eq Enter A Enter A Enter A | uipment E ctivity ctivity ctivity | nter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipmen Enter Activity Enter Activity Enter Activity | t Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment I Enter Activity Enter Activity Enter Activity | Enter Equipment E Enter Activity Enter Activity Enter Activity | nter Equipment Enter Activity Enter Activity Enter Activity | Enter Equipment Enter Activity Enter Activity Enter Activity |
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| FUGITY | MUD DEGASSING MUD DEGASSING PUGITIVES DISCIPLES | | | | | GALLYR GALLYR GALLYR GALLYR GALLYR SCEPHER COURE SCEPHER SCEPHER | - | 0 0 | | Enter Eq Enter Eq | uipment E uipment E | nter Equipment nter Equipment | Enter Equipmen Enter Equipmen | t Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment I Enter Equipment I | Enter Equipment E Enter Equipment E | inter Equipment Enter Equipment | Enter Equipment Enter Equipment |
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| | HEATERBOLERBURNER HEATERBOLERBURNER ISC. FLARE PROCESS VENT | NG Flares Gas Venting | | | | GALIVR GALIVR GALIVR GALIVR SCEINER COUSE | = | 0 0 | | Enter Eq Enter Eq Enter A Enter A | uipment E uipment E ctivity ctivity | nter Equipment nter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | t Enter Equipment t Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity | inter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Activity Enter Activity |
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| | FUGITIVES FUGITIVES PNEUMATIC PUMPS PRESSURE LEVEL CONTROLLERS | - | | | | Count Count SCF/HR SCF/HR | | 0 0 | | | | <u> </u> | | | Enter Activity Enter Activity | | | | | | - | | | | | Enter Activity Enter Activity | | | | | | <u>_</u> |
| ON-ICE EQUIPMENT 4 VEHICLES | ON-CE EQUIPMENT | | NIA NA NA | NIA - NIA - | | GALIYR GALIYR GALIYR | - | 0 0 | | Enter A Enter A Enter A | ctivity ctivity ctivity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Ē | Enter Activity Enter Activity Enter Activity | | - | | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity | - | Enter Activity Enter Activity Enter Activity | | | |
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| EXEMPTION CALCULATIO | | | | | YEAR TOTAL | | | | \perp | 0.0 | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| COMPANY | AREA 0 | | | BLOCK 0 | | | LEASE 0 | PLATFORM 0 2017 | WELL | | CONTACT | | | | PHONE 0 | | EMAIL 0.0 | | | REMARKS 0 | | | | | | | | | | |
|-------------------------------|--|---|--|------------------------|--|----------------|---|---|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|--|---|---|--|--|--|
| OPERATIONS | EQUIPMENT Category | Equipment/Vessel Type | Engine Type | Category Load ACTIVITY | Y UNITS | No Attribution | RUN TIME HRSIDAY DAY | Estimated duration S Start month End Month | PM10-PRI | PM2.5-PRI | so, | NO. | WAX | MUM POUNDS PER I | 10UR Pb | NH, | co, | CH. | N,O | PM10-PRI | PM2.5-PRI | so, | NO. | ESTI VOC | MATED TONS PER | YEAR Pb | Not, | co, | CH, | N,O |
| ORELING | PORTE RECORD PRINTER MODERN | | | | 1000 1000 1000 1000 1000 1000 1000 100 | 4 | | | Enter Equipment Enter expending the En | criter Equipment Enter experiment Enter existe infective reside i | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment of Enter Equipment et Enter vessel info | Erine Equipment Ender vessel info Enter vessel inf | Enter Equipment Enter vosate information and enter vosate information enter vosate inf | Enter Equipment Enter exister | Entar Equipment. Entar exissel info. Entar vassel info. | Enter Equipment Enter existe info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Eriter Equipment Eriter Equipment Eriter Equipment Eriter Equipment Eriter Equipment Eriter Equipment | unter Equipment Enter vassel info | Enter Equipment Enter exister | unier Equipment Enter vessel info | Enter Equipment Enter Vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter ve | Enter Equipment Enter Vessel info | Enter Equipment Enter vassel info | Enter Equipment Enter vossel info | Enter Equipment Enter En | inter Lyapment, inter Equipment, inter Equipment, inter Equipment, inter Equipment, inter Equipment, inter exesse info inter vesse inter vesse inter inter vesse inter inter vesse inter vesse inter inter vesse inter inter vesse inter vesse inter inter vesse inter inter vesse inter vesse inte | Infact Equipment infact Equipment infact Equipment infact Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Enter vessel infact ve |
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| COMPANY AREA | | | BLOC 0 | × | | LEASE 0 | PLATFORM 0 2019 | WELL | | CONTACT | | | PW0 | NE | 0. | MAJL 0 | | | REMARKS 0 | | | | | | | | | _ | = |
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| COMPANY | AREA 0 | | | į į | BLOCK | | LE) | SE | PLATFORM 0 2020 | WELL 0 | | CONTACT | | | | PHONE | | EMAIL 0.0 | | | REMARKS 0 | | | | | | | | | _ | _ |
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| OPERATIONS | EQUIPMENT Category | EquipmentiVessel Type | Engine Type Co | ategory Load | ACTIVITY | No Att | tribution H | RUN TIME | Extimated duration Start month End Mo | mih PM10-PRI | PM2.5-PRI | 50, | NO. | WAXI | NUM POUNDS PER HO | R Pb | NH, | co, | СН | N _j O | PM10-PRI | PM2.5-PRI | so, | NO ₁ | ESTI VOC | MATED TONS PER CO | YEAR Pb | NH, | co, | СН | N _i O |
| GRELING | PROBLEM ENVERT PROBLE | | | 111111 | | BOM | - | | | Enter Equipme Enter excessed in Enter vessed | to Ember Squipme to Emb | Entar Vessel mit Entar Equipment Entar Vessel mit Entar Vessel | Enter Equipment. Enter vessel info. | Entire Equipment. Entire Vessel info. | Enter Equipment Enter Enter Equipment Enter Equipment Enter existed info Enter | ter trupment is the trupment of tr | nitre Equipment, inter execution of inter execution of inter execution of interest execution of inter | Enter Equipment | Entire Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment | Enter Equipment. Enter vessel info. | Enter Equipment. Enter existe info. Enter visible info. | Enter Equipment. Enter existe info. | Entire Equipment. Entire visual info. | Enter Equipment. Enter vessel info. | Erder Equipment Ender Equipment Ender Equipment Ender Equipment Ender Equipment Ender Equipment Ender Equipment Enter vessel info Enter vessel info Enter Ente | unier Equipment. Enter Equipment. Enter Equipment. Enter Equipment. Enter Equipment. Enter Equipment. Enter vassel info. | unter Equipment Equipment Enter vossel info- | Enter Equipment. Enter execution. | inter Equipment, inter exact info, interes ex | Trible Coupment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info |
| PIPELINE INSTALLATION | VESSELS | | | | | kW kW kW kW kW kW kW | _ | 0 0 0 | | Enter vessel in Enter vessel in Enter vessel in Enter vessel in Enter vessel in Enter vessel in | to Enter vessel in | o Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel | ter vessel info ter vessel info ter vessel info ter vessel info ter vessel info ter vessel info ter vessel info | inter vessel info inter vessel info inter vessel info inter vessel info inter vessel info inter vessel info | = | - | = | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info |
| FACILITY | VESSELS VESSELS VESSELS VESSELS VESSELS VESSELS VESSELS | | | | | kow kow kow kow kow kow kow kow kow kow | | 0 0 0 | | Enter vessel in Enter vessel in Enter vessel in Enter vessel in Enter vessel in Enter vessel in Enter vessel in | their vessel in control of their vessel in control of their vessel in control of their vessel in control vessel in contr | better vessel info center vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel | ter vessel info | inter vessel info- linter vessel info- | | - | | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info |
| INSTALLATION | VESSELS | | | | | kov kov kov kov kov kov kov kov kov kov | | | | Enter vessel in Enter vessel in | io Enter vessel in | Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vassel info Enter vassel | ter vessel info to ter vessel info ter vessel ter vessel info ter vessel ter vessel ter ter vessel ter vessel ter vessel ter ter ve | inter vessel info inter vessel info | | - | | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info |
| PRODUCTION | VISSUES VISSUE | | | | | kow kow kow kow kow kow kow kow kow | - | 0 | | Enter vessel in Enter Equipme Enter Equipme Enter Equipme | o Enter vessel in to Enter vessel in Enter vessel in to Enter Equipme to Enter Equipme | center vessel info Enter teguipment t Enter Equipment | enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment Enter Equipment | ter vessel info- ter Equipment Eter Equipment | ment vossel info inter vessel info inter Equipment inter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment | enter vessel info Enter Equipment Enter Equipment Enter Equipment | enter vessel info Enter Equipment Enter Equipment Enter Equipment | enter vesset info Enter Equipment Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vassel info Enter Equipment Enter Equipment Enter Equipment | enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment Enter Equipment | ment vossel info Enter vessel info Enter Equipment Enter Equipment | enter vessel info Enter Equipment Enter Equipment Enter Equipment |
| | PERSONAL PROPERTY OF THE PERSONAL PROPERTY OF | | | | | ALIYR ALIYR | - | | | Enter Equipme Enter Equipme Enter Activity Enter Equipme Enter Equipme | nt Enter Equipme Enter Activity Enter Equipme It Enter Equipme | tt Enter Equipment Enter Activity Enter Equipment enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment E Enter Activity Enter Equipment Enter Equipment Enter Equipment | ter Equipment to ter Equipment to the Activity ther Equipment to the Equipment to the Activity ther Equipment to the Activity there exists the Activity the Equipment the Activity the Equipment the Activity the Equipment the Activity the Equipment the Activity the Activity | inter Equipment inter Equipment Emer Activity Enter Activity Inter Equipment inter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Inter Equipment Enter Activity Enter Activity Inter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment |
| PUGIT | HEATERBOLERBUINNER HEATERBOLERBUINNER MICH. FLARE MICH. FLARE LAYCEL BEHTPERME UNT LAYCEL BEHTPERME UNT LOADING OPERATIONS MID MICH DEGASSING MID MID DEGASSING MID MID DEGASSING TYPES FLIGHTUSS TYPES FLIGHTUSS | NG Filanes Gas Verring Gyool Dehydanor Vent. Amine Gas Sweetening Unit Loading Operations Tank Vapors | | | 3 | AALIYR AALIYR CADINE COUNT | | | | Enter Equipme Enter Equipme Enter Activity Enter Equipme Enter Equipme Enter Equipme | tt Enter Equipme tt Enter Equipme Enter Activity Enter Equipme tt Enter Equipme tt Enter Equipme | tt Enter Equipment tt Enter Equipment Enter Activity Enter Equipment tt Enter Equipment tt Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment El Enter Equipment El Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment El Enter Equipment El Enter Equipment El Enter Equipment El | ter Equipment E ter Equipment En nter Activity nter Activity nter Activity nter Activity nter Activity ter Equipment E ter Equipment E ter Equipment E | inter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Inter Equipment Inter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment |
| | RUGITIVES RUGITI | - | | | 3 3 | ALLYER ALLYER ALLYER ALLYER ALLYER COUNTE CO | | 0 | | | - | | - | Enter Activity Enter Activity | | | - | | - | | | | | | Enter Activity Enter Activity | | | | | - | |
| ORELING WELL TEST FPSO | LIQUID FLARING GAS FLARE EPSOFSO propulsion | | - | _ I | | | | 0 0 | | Enter Activity Enter Activity Enter vessel in | Enter Activity Enter Activity o Enter vessel in | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | ter vessel info | inter vessel info | Enter Activity | Enter Activity | Enter Activity | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter Activity Enter vessel info | Enter Activity Enter vessel info | Enter vessel info | Enter Activity Enter vessel info | Enter Activity | Enter Activity |
| | PODOSO/propulses Proportion ensures who in blessing VESSELS VES | NAA | NIA NIA NIA | | | kW gal gal gal gal kW | - | | | Enter vessel in Enter Equipme Enter Equipme Enter Equipme Enter Equipme | Content vessel in the second s | Enter vessel info Enter Equipment | Enter vessel info Enter equipment Enter Equipment | Enter Activity Enter Activity Enter vessel info Enter Equipment Enter Equipment | Enter vassel info Enter Equipment Enter Enter Equipment Enter Equipment Enter Enter Equipment Enter Ente | ter vessel info- ter Equipment in ter Equipment info- ter Equipment info- ter Equipment info- | Enter vessel info inter Equipment inter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter Activity Enter Activity Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment Enter Equipment |
| | TOURING TURBINE TURBINE TURBINE TURBINE TURBINE NG RECDENG NG RECD | | | | | ALIYR ALIYR ALIYR | - | 000000000000000000000000000000000000000 | | enter equipme Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipme Enter Equipme Enter Equipme Enter Enter Equipme | Enter Activity Enter Equipme the Enter Equipme the Enter Equipme | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | nter Activity ther Activity ter Equipment ter Equipment ter Equipment | Enter Activity Enter Equipment inter Equipment inter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment |
| FUCIT | MISC. HARD LERROUNNER HARE FLARE PROCESS VENT LYCK, DEPRICANS HARD LODGES OFFERTIONS MID MID DECASSING MID DECASSI | NG Flares Cast Verifing Gyood Dehydrator Verit Amrira Cas Sweetening Unit Loading Operations Tank Vapors | | | 3 | ALLYR ALLYR ALLYR ALLYR ALLYR CENTRE COURT | | 0 | | Enter Equipme Enter Activity Enter Equipme Enter Equipme Enter Equipme | nt Enter Equipme Enter Activity Enter Equipme tt Enter Equipme tt Enter Equipme | t Enter Equipment Enter Activity Enter Equipment t Enter Equipment t Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | ter Equipment 8 Inter Activity Inter Equipment 8 Inter | inter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment inter Equipment inter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment |
| | RUGITIVES | - | | | 3 3 | Count | | 0 | | | | | - | Enter Activity Enter Activity | - | | | | - | | | | | | Enter Activity Enter Activity | - | - | | | | |
| ONICE EQUIPMENT & VEMCLES | CHARL EQUIPMENT CHARLE EQUIPMENT | | 1926. 1020. | | | ALIYR | - | 0 0 0 0 0 0 0 0 0 0 | | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Enter Activity Enter Activity | Enter Activity | | Enter Activity | | - | | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Enter Activity | | Enter Activity | | - | |
| | 2021 | | | | YEAR TOTAL | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EXEMPTION CALCULATION | DISTANCE TO SHORE IN MILES 0.0 | - | | | | | | | | | | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

AIR EMISSIONS CALCULATIONS - 2011

| COMPANY | AREA 0 | | | BLOCK 0 | | | LEASE | PLATFORM 0 2022 | WELL | | CONTACT | | | | PHONE 0 | | EMAIL 0.0 | | | REMARKS 0 | | | | | | | | | | |
|------------------------------|--|--|--|----------------|--|---|---|--|---|--|--|---|---|--|--|--|--|--|---|--|---|---|--|--|---|--|--|---|---|---|
| OPERATIONS DRELING | EQUIPMENT Category PRIME MOVER | EquipmentiVessel Type | Engine Type Cab | gory Load ACTA | VITY UNI | No Attribution | RUN TIM | Extimated duration AYS Start month End Mont | PM10-PRI | PM2.5-PRI | SO, | NO Enter Enter | VOC PARTE | CO Enter Equipment | Pb | NH, | CO, | CH Enter to insure | N _i O | PM10-PRI | PM2.5-PRI | SO, | NO Enter Enter | VOC | CO Enter Equipment | Pb | NH, Enter Equipme | CO, | CH ₂ | N ₂ O |
| DMLING | PRIME MOVER DUPING DU | | | | io io io | | 0 | 0 | Enter Equipmer Enter Equipmer Enter Equipmer Enter Equipmer Enter Equipmer Enter Equipmer Enter vessel inf Enter vessel inf Enter vessel inf | the Enter Equipment the Enter vessel info the Enter Equipment the Ente | t Enter Equipment t Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | t Enter Equipment t Enter Equipment t Enter Equipment t Enter Equipment t Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter vassel info Enter vassel info Enter vassel info Enter vassel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment |
| | ORLING RG ORLING RG VESSELS | | | | 100 100 100 100 100 100 100 100 100 100 | | 0 | | Enter vessel inf Enter vessel inf | to Enter vessel info | Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | | - | - | Enter vissel info Enter vissel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | | | |
| PIPELINE INSTALLATION | VESSELS | | | | | | 0 | 0 | Enter vossel inf | tenter vessel info Enter vessel info | Enter vessel info | Enter vessel info | Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | - | | | Enter vessel info Enter vessel info | Enter vessel info | Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info | Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | | | |
| FACILITY INSTALLATION | VESSELS | | | | | | 0 | 0 | Enter vossel inf Enter vossel inf | to Enter vessel info | Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | | | - | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | | | |
| PRODUCTION | VESSELS FESSELS FESSEL | | | | 100 100 100 100 100 100 100 100 100 100 | N N N N N N N N N N N N N N N N N N N | 0 | 0 | Enter vessel inf Enter Equipmer Enter Equipmer | the Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment | Enter Equipment | t Enter Equipment | Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter vessel info Enter Equipment Enter Equipment | Enter Equipment Enter Equipment | Enter Equipment | Enter Equipment Enter Equipment |
| | VESSELS VESSEL | | | | GAL | | 0 0 0 0 0 0 0 0 0 0 0 | | Enter Equipmer Enter Equipmer Enter Activity Enter Equipmer Enter Equipmer | tt Enter Equipmen Enter Activity Enter Equipment Enter Equipment Enter Equipment | t Enter Equipment Enter Equipment Enter Activity Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | t Enter Equipment Enter Equipment Enter Activity Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment |
| MUSC MUI PUGITIVE: | HEATERBOLERBUINDER HAATERBOLERBUINDER LAARE LAARE AMME CAS SWEETENING UNIT AMME CAS SWEETENING UNIT TAME DAMP DEGASSING MUD DEGASSING MUD DEGASSING S PUCITIVES ETUCITIVES | NG Filans Gas Verning Glycol Dehydator Vert Amorio Genydator Vert Louding Operations Tarik Virgons | | | GAL | /YR /Y | 0 | | Enter Equipmer Enter Equipmer Enter Activity Enter Equipmer Enter Equipmer | tt Enter Equipmen Enter Activity Enter Equipmen tt Enter Equipmen | t Enter Equipment t Enter Equipment Enter Activity Enter Equipment t Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | t Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment |
| | RUGITIVES RUGITIVES RUGITIVES RUGITIVES RUGITIVES RUGITIVES PNEUMATIC PUMPS | - | | | Cox Cox Cox Cox Cox Cox Cox Cox Cox SCR SCR SSCR | unt un | 0 | 0 | Enter Activity Enter Activity | Enter Activity Enter Activity | Erder Activity | Enter Activity | Enter Activity Enter Activity Inter Activity Enter Activity | Enter Activity | Enter Activity | | Enter Activity | Erner Activity | Ereer Activity | Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity Enter Activity Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity | | Enter Activity | Enter Activity | Enter Activity |
| FPSO | JPSUBSO produces Apportable emissions from lightering Cuprovide emissions from ballasting VESSELS | NIA NIA | NIA NIA | 5 | 100 PM 10 | | | 0 | Enter vessel inf Enter vessel inf | o Enter vessel info | Enter vessel info | Enter vessel info | Enter vessel info Enter Activity Enter Activity Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info- Enter Engine | Enter vessel info Enter vessel info | Enter Equipment | t Enter Equipment | | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter Activity Enter Activity Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info- Enter vessel info- | Enter vessel info | Enter vessel info | Enter vessel info |
| | COORTINATION CONTINUES OF THE PROPERTY OF THE | | | | GAL | | 0 | 0 | Enter Equipmer Enter Equipmer Enter Equipmer Enter Activity Enter Equipmer | tt Enter Equipmen tt Enter Equipmen tt Enter Equipmen Enter Activity Enter Equipmen | t Enter Equipment Enter Equipment t Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | t Enter Equipment t Enter Equipment t Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Equipment |
| MISC MUI PUGITIVE | MEATERBOLERBUINER HEATERBOLERBUINER HEATERBOLERBUINER FLARE PROCESS VENT LAVOL DEPUTIONATION VENT LAVOL DEPUTIONATION VENT LOVIDING OPERATIONS D MUD DECASSING MUD DECASSING MUD DECASSING MUD DECASSING MUD DECASSING MUD DECASSING | NG Filensi Gas Vereing Glycol Dehydrator Verei Amore Gas Sweetening Unit Loading Operations Tank Vagora | | | GAL | VYR - | 0 | | Enter Equipmer Enter Equipmer Enter Equipmer Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipmer Enter Equipmer Enter Equipmer | nt Enter Equipmen tt Enter Equipmen tt Enter Equipmen tt Enter Equipmen Enter Activity Enter Equipmen tt Enter Equipmen tt Enter Equipmen | t Enter Equipment t Enter Equipment Enter Activity Enter Equipment t Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | t Enter Equipment t Enter Equipment t Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity t Enter Equipment t Enter Equipment t Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Ectivity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment | Enter Equipment Enter Equipment Enter Equipment Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Equipment Enter Equipment Enter Equipment Enter Equipment |
| ONICE EQUIPMENT & VENCLES | CONTINUES EQUATIVES ON-ICE EQUAPMENT | | | | | | 0 | 0 | Enter Activity | Enter Activity | Erzer Activity | Erser Activity | Enter Activity Enter Activity | Enter Activity | | Enter Activity | - | - | | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Enter Activity Enter Activity | Enter Activity | - | Enter Activity | - | | - |
| A VENCLES | ONICE EQUIPMENT | | NUA NOA NOA NOA NOA NOA NOA NOA NOA NOA NO | | | YR - | 0 | 0 | Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity | Enter Activity | Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity Enter Activity | Enter Activity | - - - - - - - - - - - - - - | Enter Activity Enter Activity | | - | - | Enter Activity | Enter Activity Enter Activity | Enter Activity Enter Activity | Enter Activity | Enter Activity Enter Activity | Enter Activity | | Enter Activity Enter Activity | - - - - - - - - - - - - - - - - | | - - - - - - - - - - - - - - - - - - - |
| EXEMPTION CALCULATION | 2022 DISTANCE TO SHORE IN MILES | | | YEAR TO | DTAL | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | I | | |

| COMPANY | AREA 0 | | | | BLOCK 0 | 1 | | EASE | PLATFORM 0 2023 | WELL 0 | | CONTACT | | | 0 | PHONE | | IMAIL 10 | | | REMARKS | | | | | | | | | | |
|------------------------------|--|--|---------------|--------------|------------|--|----------------|---|---|--|--|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|---|--|--|--|
| OPERATIONS DRILLING | EQUIPMENT Category PRIME MOVER | Equipment/Vessel Type | Engine Type C | alegory Load | ACTIVITY | UNITS | No Attribution | RUN TIME | Extimated duration S Start month End M | onth PM10-PF | PM2.5-PR | so, | NO PO Enter Equipment | VOC | CO Enter Equipment | Pb | NH nter Equipment | CO_ | CH Enter Equipment Fa | N _i O | PM10-PRI Enter Equipment | PM2.5-PRI Enter Equipment | SO, | NO Enter Equipment | VOC | MATED TONS PER CO | Pb | Not Enter Equipment | CO, | CH Enter Equipment | N O Enter Equipment |
| SHLDNG | PRIME MOVER PRIME PRIME MOVER PRIME | | | | | MONY MONY MONY MONY MONY MONY MONY MONY | | | | Enter Equip Enter | rient Equipment Enter evision Enter existente Enter existente Enter existente Enter existente Enter enterette Entere Equipment Entere Ente | wird Enter Equipment Enter exceed info Enter exceed in Exceedit Ex | reference to the control of the cont | Erider Equipment, Erider Vessel irifo | Ender Equipment Lender vessel info-Lender vessel i | inter Equipment inter Enter vassal info Enter vassal i | rinter Equipment inter existe info inter vessel info | Enfair Equipment | Enter Equipment E- tenter Equipment E- tenter Equipment E- tenter Equipment E- tenter Equipment E- tenter Equipment E- tenter Equipment E- - | nitier Equipment inter Equipment interest inte | Enter Equipment Enter Exigument Enter vessel info | Enter Equipment. Enter vision info. | Entier Equipment Entier Vessel Info | Entier Equipment Entier evessel linfo Entier vessel linfo | Enfart Equipment. Entart existe info. Entart vessel info. | Enfer Equipment Enfer vessel info Enfer vessel info Enter vessel info | Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vassel info Enter vassel info Enter Ent | Enler Equipment. Enter evasel info. Enter-vassel info. | Enter requipment Enter Equipment Enter existe info Enter vessel info | Errier Equipment Errier Errie | Ernier Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter Equipment Enter vessel info Enter |
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| FACILITY NSTALLATION | VESSELS | | | | | kow kow kow kow kow kow kow kow kow kow | | 0 | | Enter vesse | info Enter vessel info info info info info info info info | info Enter vessel is for the vessel is info Enter vessel is info | Info Enter vessel info for Enter vessel info Enter vessel info for Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info I | Enter vessel info Enter vessel info | inter vessel info inter vessel info | | | - | Enter vessel info Enter vessel info | Enter vessel info- Enter vessel info- | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Entur vessel info Entur vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info | Enter vessel info Enter vessel info |
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| ONICE EQUIPMENT & VENCLES | NEGUATION CONTROLLERS ON LEE SCUMMENT | | | | | SCHINR SCENIR GALYR | - | | | Enter Active Enter Ente | ty Enter Activity | ty Enter Activity | y Enter Activity | Enter Activity | Enter Activity | - | Enter Activity | - | - | | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Enter Activity | Erber Activity | | Enter Activity | - | - | |
| | 2023 | | | | YEAR TOTAL | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | DISTANCE TO SHORE IN MILES | | | | | | | | | | | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | , |

| COMPANY | AREA 0 | | | | BLOCK 0 | - | | EASE | PLATFORM 0 2024 | WELL 0 | | CONTACT | | | 0 | PHONE | | EMAIL 0.0 | | | REMARKS 0 | | | | | | | | | | _ |
|--|--|--|---|--------------|------------|---|----------------|---|--------------------------------------|--|--|--|--|--|--|---|--|--|---|--|---|--|--|--|--|--|---|--|--|--|--|
| OPERATIONS DRELING | EQUIPMENT Category PRIME MOVER | Equipment/Vessel Type | Engine Type C | ategory Load | ACTIVITY | UNITS | No Attribution | RUN TIME | Estimated duration Start month End M | onth PM10-PRI | PM2.5-PRI | so so | NO ant Enter Equipment | VOC Enter Equipment | CO Enter Equipment 1 | Pb Enter Equipment | NH Enter Equipment | CO Enter Equipment | CH Enter Equipment | N _j O Enter Equipment | PM10-PRI Enter Equipment | PM2.5-PRI Enter Equipment | SO, Enter Equipment | NO Enter Equipment | VOC Enter Equipment | MATED TONS PER CO Enter Equipment | Pb Enter Equipment | NH, Enter Equipment | CO, | CH conter Equipment | N ₂ O Enter Equipment |
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| ON-ICE EQUIPMENT & VEMCLES | PRESIDENT LYGUES PRESIDENT EVER CONTROLLERS DIVIDED CONTROLLERS DIVID | | NAA 900 NAA | | | GALYR | - | 0 | | Enter Activit | by Enter Activity | by Enter Activity | y Enter Activity | Enter Activity | Enter Activity | - | Enter Activity | | - | | Enter Activity | Enter Activity | Enter Activity | Enter Activity Enter Activity | Enter Activity | Erber Activity | - | Enter Activity | - | - | |
| | 2024 | | | | YEAR TOTAL | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EXEMPTION CALCULATION | N DISTANCE TO SHORE IN MILES 0.0 | | | | | | | | | | | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

AIR EMISSIONS CALCULATIONS - SUMMARY

| OMPANY | | AREA | | BLOCK | | LEASE |
|-----------|----------|-----------|-----------------|-------|-----------------|-------|
| | | 0 | | 0 | | 0 |
| Year | | | | | Emissions (tons | /yr) |
| | PM10-PRI | PM2.5-PRI | SO ₂ | NOx | voc | со |
| 2015 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2024 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Allowable | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |