Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

RBLC ID: TX-0807
Corporate/Company: SUNOCO PARTNERS MARKETING & TERMINALS L.P.
Facility Name: SUNOCO PARTNERS NEDERLAND TERMINAL
Process: Tank Farm

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC

Pollutant Group(s): Volatile Organic Compounds (VOC)
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: 8
P2/Add-on Description: Floating roof control BACT, and vent loading emissions to a portable combustion device.

Test Method: Unspecified

Percent Efficiency: 98.000
Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: BACT-PED
Other Applicable Requirements: NSPS, MACT
Other Factors Influence Decision: No
Emission Limit 1: 600.0000 T/yr
Emission Limit 2: 0
Standard Emission Limit: 0

COST DATA:
Cost Verified? No
Dollar Year Used in Cost Estimates: 0 $/ton
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes: NSPS; X, K, K0 MACT; EECS

8/18/2017, 9:56 AM
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLG Home New Search Search Results Facility Information Process List Process Information

Pollutant Information

RBLG ID: TX-0799
Corporate/Company: PHILLIPS 66 PIPELINE LLC
Facility Name: BEAUMONT TERMINAL
Process: Truck and railcar loading

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC

Pollutant Group(s): Volatile Organic Compounds (VOC),

Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A
P2/Add-on Description: Loading vapors of materials with a TVP of 0.5 psia or greater are controlled by a flare. Railcar capture efficiency of 100% will be verified annually by Class DOT-111AW or Class DOT-115AW testing, and truck capture efficiency of 100% will be verified annually by DOT testing specified in 49 CFR 180.407.

Test Method:

Percent Efficiency: 99.600
Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: BACT/PSD
Other Applicable Requirements: MACT
Other Factors Influence Decision: Unknown
Emission Limit 1: 28.8300 T/YR
Emission Limit 2: 0
Standard Emission Limit: 0

COST DATA:
Cost Verified: No
Dollar Year Used in Cost Estimates:
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes: 40 CFR Part 63, Subparts A, R, & RERR
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

RBLG Home | New Search | Search Results | Facility Information | Process List | Process Information

Pollutant Information

RBLG ID: TX-0615
Corporate/Company: TOTAL PETROCHEMICALS & REFINING USA, INC.
Facility Name: PORT ARTHUR ETHANE SIDE CRACKER
Process: High Pressure Process Vents

Pollutant: Volatile Organic Compounds (VOC)

Pollutant Group(s): Volatile Organic Compounds (VOC)

Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A

P2/Add-on Description: Multi-Point Ground Flare. Applicant will obtain an AMOC and AMEL prior to startup of the MPGF

Test Method: Unspecified

Percent Efficiency: 98.000

Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: BACT/PSD
Other Applicable Requirements: NSPS, SIP
Other Factors Influence Decision: Unknown
Emission Limit 1: 0
Emission Limit 2: 0
Standard Emission Limit: 0

COST DATA:
Cost Verified: No

Dollar Year Used in Cost Estimates: $/ton

Cost Effectiveness: 0 $/ton

Incremental Cost Effectiveness: 0 $/ton

Pollutant Notes: 99% - 2 carbons or less, 98% - 3 carbons or more Emission rate of 158.06 tpy is the sum of 58.93 tpy VOC for routine operations and 98.16 tpy for MSS operations. NSPS MRR, RRR MACT YY SIP (115 Subchapter B)
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLC ID: IA-0089
Corporate/Company: HOMELAND ENERGY SOLUTIONS, LLC, PN 06-672
Facility Name: HOMELAND ENERGY SOLUTIONS, LLC, PN 06-672

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC

Pollutant Group(s): Volatile Organic Compounds (VOC),
Substance Registry System: Volatile Organic Compounds (VOC),

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A
F2/Add-on Description: THERMAL OXIDIZER

Test Method: Unspecified

Percent Efficiency: 90.000
Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: RACT-PSD
Other Applicable Requirements: Unknown
Other Factors Influence Decision: Unknown
Emission Limit 1: 0.0060 lb/MMBTU
Emission Limit 2: 98.0060 % REDUCTION
Standard Emission Limit: 0

COST DATA:
Cost Verified: No
Dollar Year Used in Cost Estimates: 0%
Cost Effectiveness: 0 %/ton
Incremental Cost Effectiveness: 0 %/ton
Pollutant Notes: THE FACILITY SHALL MEET EITHER THE 0.006 LB/MMBTU HEAT INPUT OR 98% REDUCTION.
# Pollutant Information

- **RBLIC ID:** IN-0254
- **Corporate/Company:** REPUBLIC SERVICES, INC.
- **Facility Name:** NEWTON COUNTY LANDFILL
- **Process:** MUNICIPAL SOLID WASTE LANDFILL

**Pollutant:** Volatile Organic Compounds (VOC)  
**CAS Number:** VOC

**Pollutant Group(s):** Volatile Organic Compounds (VOC)  
**Substance Registry System:** Volatile Organic Compounds (VOC)

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** A

**P2/Add-on Description:** ENCLOSED FLARE, OFFSITE SALE, OR LEACHATE EVAPORATOR

### Test Method:
**Percent Efficiency:** 99.000
**Compliance Verified:** Unknown

### EMISSION LIMITS:
**Case-by-Case Basis:** OTHER CASE-BY-CASE
**Other Applicable Requirements:** NSPS, NSRBAF
**Other Factors Influence Decision:** No
**Emission Limit 1:** 0
**Emission Limit 2:** 0
**Standard Emission Limit:** 0

### COST DATA:
**Cost Verified?** No
**Dollar Year Used in Cost Estimates:** 2015
**Cost Effectiveness:** 700 $/ton
**Incremental Cost Effectiveness:** 0 $/ton

**Pollutant Notes:**
Any landfill gas that is not sent offsets for sale or used onsite for beneficial reuse in the leachate evaporator, VOC (measured as IMOC) in the LFG collected from the MSW Landfill shall be controlled by one or more of the enclosed flares and each enclosed flare shall have an IMOC control efficiency of 98% by weight or more or shall reduce the outlet concentration of IMOC to equal to or less than 20 ppmv, dry, as hexane corrected to 3% oxygen. Ultralow efficiency enclosed flare was determined not to be cost effective, incremental cost effectiveness was $70,160 per ton.
## Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.  
Or click on the Process List button to return to the list of processes.

<table>
<thead>
<tr>
<th>Pollutant Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RBLC ID:</strong> IN-0252</td>
</tr>
<tr>
<td><strong>Corporate/Company:</strong> REPUBLIC SERVICES, INC.</td>
</tr>
<tr>
<td><strong>Facility Name:</strong> NEWTON COUNTY LANDFILL</td>
</tr>
<tr>
<td><strong>Process:</strong> MUNICIPAL SOLID WASTE LANDFILL</td>
</tr>
</tbody>
</table>

**Pollutant:** Volatile Organic Compounds  
**CAS Number:** VOC

**Pollutant Group(s):** Volatile Organic Compounds  
**Substance Registry System:** Volatile Organic Compounds (VOC)

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** A

**PS/Add-on Description:** ENCLOSED FLARE, OFFSITE SALE, OR LEACHATE EVAPORATOR

<table>
<thead>
<tr>
<th>Test Method:</th>
<th>Unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percent Efficiency:</strong></td>
<td>98.000</td>
</tr>
<tr>
<td><strong>Compliance Verified:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**EMISSION LIMITS:**

<table>
<thead>
<tr>
<th>Case-by-Case Basis:</th>
<th>DOWN CASE-BY-CASE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other Applicable Requirements:</strong></td>
<td>NSPS, NSRMP</td>
</tr>
<tr>
<td><strong>Other Factors Influence Decision:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Emission Limit 1:</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Emission Limit 2:</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Standard Emission Limit:</strong></td>
<td>0</td>
</tr>
</tbody>
</table>

**COST DATA:**

| **Cost Verified?** | No |
| **Dollar Year Used in Cost Estimates:** | 2015 |
| **Cost Effectiveness:** | 70% $/ton |
| **Incremental Cost Effectiveness:** | 0 $/ton |

**Pollutant Notes:**

ANY LANDFILL GAS THAT IS NOT SENT OFFSITE FOR SALE OR USED ONSITE FOR BENEFICIAL REUSE IN THE LEACHATE EVAPORATOR, VOC (MEASURED AS NMOC) IN THE LEG COLLECTED FROM THE NEW LANDFILL SHALL BE CONTROLLED BY ONE OR MORE OF THE ENCLOSED FLARES AND EACH ENCLOSED FLARE SHALL ENSURE AN NMOC CONTROL EFFICIENCY OF 98% BY WEIGHT OR MORE OR SHALL REDUCE THE OUTLET CONCENTRATION OF NMOC TO EQUAL TO OR LESS THAN 20 ppmv, DRY, AS HEXANE CORRECTED TO 3% OXYGEN. ULTRALOW EFFICIENCY ENCLOSED FLARE WAS DETERMINED NOT TO BE COST EFFECTIVE, INCREMENTAL COST EFFECTIVENESS WAS $70,105 PER TON.
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

RBLC ID: IN-0236
Corporate/Company: NEWCO METALS, INC.
Facility Name: NEWCO METALS, INC.
Process: THERMAL SCRAP PRE-TREATMENT OVEN EU-01 THROUGH EU-03

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC

Pollutant Group(s): Volatile Organic Compounds (VOC)

Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A
P2/Add-on Description: TWO AFTERBURNERS PER OVEN OPERATING IN SERIES

Test Method: Unspecified

Percent Efficiency: 98.0%
Compliance Verified: Yes

EMISSION LIMITS:
Case-by-Case Basis: OTHER CASE-BY-CASE
Other Applicable Requirements: No
Other Factors Influence Decision: No
Emission Limit 1: 0.4000 LB/FT OF SCRAP 3 HOURS
Emission Limit 2: 98.0000 % OVERALL CONTROL EFF 3 HOURS
Standard Emission Limit: 0

COST DATA:
Cost Verified: No
Dollar Year Used in Cost Estimates: 2016
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes: STATE BACT
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLG Home New Search Search Results Facility Information Process List Process Information
Pollutant Information

RBLG ID: PA-0257
Corporate/Company: SUNNYSIDE ETHANOL, LLC
Facility Name: SUNNYSIDE ETHANOL, LLC
Process: ETHANOL LOADOUT

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A

Control Method: ENCLODED FLARE

Test Method: Unspecified

Percent Efficiency: 90.000
Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: Other Case-by-Case
Other Applicable Requirements:
Other Factors Influence Decision: Unknown
Emission Limit 1: 3.0300 MG/L
Emission Limit 2: 0
Standard Emission Limit: 0

COST DATA:
Cost Verified: No
Dollar Year Used in Cost Estimates: 0
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes:
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLC ID: TX-0721
Corporate/Company: THE DOW CHEMICAL COMPANY
Facility Name: PROPANE DEHYDROGENATION UNIT
Process: Flare

Pollutant: Volatile Organic Compounds (VOC)
CAS Number: VOC

Pollutant Group(s): Volatile Organic Compounds (VOC)
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Contro Is Feasible: P
Flare Description: good combustion. 99% DRE for compounds up to three carbons, all others 98%. No flaring of halogenated compounds

Test Method: Unspecified

Percent Efficiency: 98.60%
Compliance Verified: Unknown

EMISSION LIMITS:
- Case-by-Case Basis: BACT/PED
- Other Applicable Requirements: NSPS, NSR/NSRMAP
- Other Factors Influence Decision: No
- Emission Limit 1: 5,5000 LB/MMSCF AP-42 FACTOR USED FOR NS COMBUSTION
- Emission Limit 2: 0
- Standard Emission Limit: 0

COST DATA:
- Cost Verified?: No
- Dollar Year Used in Cost Estimates: 
- Cost Effectiveness: $/ton
- Incremental Cost Effectiveness: $/ton
- Pollutant Notes:
## Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

### RBLC ID: TX-0813

**Corporate/Company:** REXTAC, LLC  
**Facility Name:** ODESSA METROCHEMICAL PLANT  
**Process:** Liquid VOC Loading

**Pollutant:** Volatile Organic Compounds (VOC)  
**CAS Number:** VOC

**Pollutant Group(s):** Volatile Organic Compounds (VOC)  
**Substance Registry System:** Volatile Organic Compounds (VOC)

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** A

**Reflection/Add-on Description:** Regenerative thermal oxidizer

### Test Method:

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Unspecified</th>
</tr>
</thead>
</table>

| Percent Efficiency | 99.000 |
| Compliance Verified | Unknown |

**EMISSION LIMITS:**

**Case-by-Case Basis:** RACT-PSD  
**Other Applicable Requirements:**
- **Other Factors Influence Decision:** No  
- **Emission Limit 1:** 0  
- **Emission Limit 2:** 0  
- **Standard Emission Limit:** 0

**COST DATA:**

- **Cost Verified?** No  
- **Dollar Year Used in Cost Estimates:**  
- **Cost Effectiveness:** 0 $/ton  
- **Incremental Cost Effectiveness:** 0 $/ton  
- **Pollutant Notes:**
**Pollutant Information**

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

| Pollutant Information | Process Information | Process List | Facility Information | Search Results | New Search | RBLC Home |

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**RBLC ID:** TX-0671  
**Corporate/Company:** M&G RESINS USA, LLC  
**Facility Name:** PROJECT JUMBO  
**Process:** Regenerative Thermal Oxidizer  
**Pollutant:** Volatile Organic Compounds (VOC)  
**CAS Number:** VOC  
**Pollutant Group(s):** Volatile Organic Compounds (VOC)  
**Substance Registry System:** Volatile Organic Compounds (VOC)  

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** P  
**R2/Add-on Description:** Thermal destruction with 99% DRE for VOC or 10 ppmv outlet concentration at 3% oxygen in exhaust  

**Test Method:** Unspecified  
**Compliance Verified:** 99.000  
**EMISSION LIMITS:**  
**HACT-FSD:**  
**Other Applicable Requirements:** NSPS, NEHAP  
**Other Factors Influence Decision:** Unknown  
**Emission Limit 1:** 16,000 ppmv HRLY AND ANNUAL, AT 3% OXYGEN IN EXHAUST  
**Emission Limit 2:** 99,000 % DRE, HRLY AND ANNUAL  
**Standard Emission Limit:** 0  
**COST DATA:**  
**Cost Verified:** No  
**Dollar Year Used in Cost Estimates:**  
**Cost Effectiveness:** 0 $/ton  
**Incremental Cost Effectiveness:** 0 $/ton  
**Pollutant Notes:**
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLC ID: NV-0047
Corporate/Company: 99 CIVIL ENGINEER SQUADRON OF USAF
Facility Name: NELLS AIR FORCE BASE
Process: GROUND WATER AND SOIL REMEDIATION

Pollutant: Volatile Organic Compounds
(VOC)

Pollutant Group(s): Volatile Organic Compounds (VOC),
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A
P2/Add-on Description: INCINERATION

Test Method: Unspecified

Percent Efficiency: 99.000
Compliance Verified: Yes

EMISSION LIMITS:
Case-by-Case Basis: Other Case-by-Case
Other Applicable Requirements: SIP, OPERATING PERMIT
Other Factors Influence Decision: No
Emission Limit 1: 0.1800 LB/M
Emission Limit 2: 0.7700 T/YR
Standard Emission Limit: 0

COST DATA:
Cost Verified? No
Dollar Year Used in Cost Estimates:
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes:

Help

FINAL
**Pollutant Information**

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

**RBLC ID:** WY-0067  
**Corporate/Company:** WILLIAMS FIELD SERVICES COMPANY  
**Facility Name:** ECHO SPRINGS GAS PLANT  
**Process:** AMINE UNIT VOC CONTROL

**Pollutant:** Volatile Organic Compounds (VOC)  
**CAS Number:** VOC

**Pollutant Group(s):** Volatile Organic Compounds (VOC),  
**Substance Registry System:** Volatile Organic Compounds (VOC)

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** A

**P2/Add-on Description:** THERMAL OXIDIZER

**Test Method:** Unspecified  
**EPA/OSHA Methods**  
**All Other Methods**

**Percent Efficiency:** 99.000  
**Compliance Verified:** No  
**EMISSION LIMITS:**
- **Case-by-Case Basis:** BACT-PSD  
- **Other Applicable Requirements:** NSPS, NESHAP  
- **Other Factors Influence Decision:** No  
- **Emission Limit 1:** 0.0400 LBM/MMBTU  
- **Emission Limit 2:** 13.1000 T/YR  
- **Standard Emission Limit:** 0

**COST DATA:**
- **Cost Verified:** No  
- **Dollar Year Used in Cost Estimates:**  
- **Cost Effectiveness:** 0 $/ton  
- **Incremental Cost Effectiveness:** 0 $/ton  
- **Pollutant Notes:**
Process Information - Details

For information about the pollutants related to this process, click on the specific pollutant in the list below.

RBLC ID: TX-0755
Corporate/Company: DELAWARE BASIN MIDSTREAM LLC
Facility Name: RAMSEY GAS PLANT
Process: Amine Units I and II

Primary Fuel: 
Throughput: 2000.00 GAL/MIN
Process Code: 12.390

Pollutant Information - List of Pollutants

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Primary Emission Limit</th>
<th>Basis</th>
<th>Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide</td>
<td>0</td>
<td>BACT-PSD</td>
<td>UNKNOWN</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0</td>
<td>BACT-PSD</td>
<td>UNKNOWN</td>
</tr>
</tbody>
</table>

Process Notes: Combined capacity for both Units. In the amine units, lean amine solution will be fed to the amine contactor and absorbs the acid gases (H2S and CO2) in the inlet gas. The rich amine solution from the amine contactor will be flashed in the amine flash drum and routed to an amine still where acid gas is stripped from the amine solution with heat from vent gases generated from hot oil heaters. A small RTO (8MMBtu/hr) will be used to abate the amine still vent gases. Estimated destruction efficiency (DRE) for VOC and H2S by each RTO will be 99%. When RTOs are down for maintenance, emissions from the amine plants will be routed to an existing flare meeting the requirements of 40CFR 60.18. Flare operation will be limited to 288 hrs/yr.
Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

RBLID: TX-0760
Corporate/Company: NUSTAR LOGISTICS LP
Facility Name: CORPUS CHRISTI TERMINAL
Process: Marine loading of crude oil and condensate at NuStar Dock 16
Pollutant: Volatile Organic Compounds (VOC)

Pollutant Group(s): Volatile Organic Compounds (VOC)
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: B

Pollutant Source Description: Petroleum products are stored in floating roof tanks. Barge and ship emissions from the marine loading of oil/condensate are routed to a VCU.

Test Method: Unspecified

Percent Efficiency: 99.600
Compliance Verified: Unknown

EMISSION LIMITS:
Case-by-Case Basis: BACT-PSD
Other Applicable Requirements: NSPS, MACT
Other Factors Influence Decision: No
Emission Limit 1: 64.1000 TPY
Emission Limit 2: 0
Standard Emission Limit: 0

COST DATA:
Cost Verified? No
Dollar Year Used in Cost Estimates: 0 $/ton
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton

Pollutant Information

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

RRLC ID: IA-0092

Corporate/Company: SOUTHWEST IOWA RENEWABLE ENERGY
Facility Name: SOUTHWEST IOWA RENEWABLE ENERGY
Process: DDGS DRYERS + DISTILLATION

Pollutant: Volatile Organic Compounds (VOC)
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: A
P2/Add-on Description: THERMAL OXIDIZER 18 MMBTU/HR

Test Method: Unspecified

Percent Efficiency: 99.000
Compliance Verified: No

EMISSION LIMITS:
Case-by-Case Basis: RACT-PSD
Other Applicable Requirements: NSPS, OPERATING PERMIT
Other Factors Influence Decision: No
Emission Limit 1: 5,110.000 LB/H 1 HOUR
Emission Limit 2: 10,000.000 PMV 1 HOUR
Standard Emission Limit: 0

COST DATA:
Cost Verified? No
Dollar Year Used in Cost Estimates:
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes: REQUIRED TO MEET 90% REDUCTION OR 10 PMV
Technology Transfer Network
Clean Air Technology Center - RACT/BACT/LAER Clearinghouse

Process Information - Details

For information about the pollutants related to this process, click on the specific pollutant in the list below.

| RBLC Home | New Search | Search Results | Facility Information | Process List | Process Information |

RBLC ID: TX-0723
Corporate/Company: LONE STAR NGL FRACTIONATORS LLC
Facility Name: NATURAL GAS LIQUIDS PROCESSING PLANT
Process: Thermal Oxidizer

Primary Fuel: Natural Gas
Throughput: 0
Process Code: 50.002

Pollutant Information - List of Pollutants

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Primary Emission Limit</th>
<th>Basis Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen Oxides (NOx)</td>
<td>0.0250 LB/MMBTU</td>
<td>LAER UNKNOWN</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0</td>
<td>LAER UNKNOWN</td>
</tr>
</tbody>
</table>

Process Notes: A high efficiency TO is proposed to control any organic compounds and H2S removed with the CO2 in the amine unit and any organics carried out when the mole sieve beds are regenerated to remove the water. Unit is designed to achieve 99.9% VOC DRE.
**Pollutant Information**

Click on the Process Information button to see more information about the process associated with this pollutant. Or click on the Process List button to return to the list of processes.

**RRLC ID:** TX-0723
**Corporate/Company:** LONE STAR NGL FRACTIONATORS LLC
**Facility Name:** NATURAL GAS LIQUIDS PROCESSING PLANT
**Process:** Thermal Oxidizer

**Pollutant:** Volatile Organic Compounds (VOC)
**CAS Number:** VOC

**Pollutant Group(s):** Volatile Organic Compounds (VOC)
**Substance Registry System:** Volatile Organic Compounds (VOC)

**Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible:** B

**PI/Add-on Description:** Unit is designed to achieve 99.9% VOC DRE and will have continuous temperature and oxygen monitoring.

**Test Method:** Unspecified

**Percent Efficiency:** 99.900
**Compliance Verified:** Unknown

**EMISSION LIMITS:**
- Case-by-Case Basis: 0
- Other Applicable Requirements: NSPS, NESHAP, MACT, SIP
- Other Factors Influence Decision: Unknown
- Emission Limit 1: 0
- Emission Limit 2: 0
- Standard Emission Limit: 0

**COST DATA:**
- Cost Verified? No

**Dollar Year Used in Cost Estimates:**
- Cost Effectiveness: 0 $/ton
- Incremental Cost Effectiveness: 0 $/ton

**Pollutant Notes:**

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8/18/2017, 10:10 AM
**Pollutant Information**

Click on the Process Information button to see more information about the process associated with this pollutant.
Or click on the Process List button to return to the list of processes.

**RBLC Home** | **New Search** | **Search Results** | **Facility Information** | **Process List** | **Process Information**

Pollutant: Volatile Organic Compounds (VOC)

Corporate/Company: OCCIDENTAL CHEMICAL CORPORATION
Facility Name: NATURAL GAS FRACTIONATION
Process: Thermal Oxidizers

Pollutant Group(s): Volatile Organic Compounds (VOC)
Substance Registry System: Volatile Organic Compounds (VOC)

Pollution Prevention/Add-on Control Equipment/Both/No Controls Feasible: Yes

PII/Add-on Description: Monitoring exit temperature, stack testing, CEMs if VOC > 10 tpy. 99.9% DRE or 10 ppmv VOC at 3% oxygen, and low NOx burners that achieve 99.9% DRE for VOC

Test Method: Unspecified

Percent Efficiency: 99.300
Compliance Verified: Unknown

**EMISSION LIMITS:**
Case-by-Case Basis: BACT-PSD
Other Applicable Requirements: NSPS
Other Factors Influence Decision: No
Emission Limit 1: 10.0000 PPMM AT 3% OXYGEN
Emission Limit 2: 0
Standard Emission Limit: 0

**COST DATA:**
Cost Verified: No
Dollar Year Used in Cost Estimates: 0 $/ton
Cost Effectiveness: 0 $/ton
Incremental Cost Effectiveness: 0 $/ton
Pollutant Notes: