

Section 1. Registration Information

Source Identification

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| Facility Name: | Blanchard Refining Company LLC - Galveston Bay Ref |
| Parent Company #1 Name: | Marathon Petroleum Corporation |
| Submission Type: | Resubmission |
| Receipt Date: | April 2023 |

Facility Identification

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|--------------|----------------|
| Facility ID: | 1000 0007 0987 |
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Dun and Bradstreet Numbers (DUNS)

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|----------------|----------|
| Facility DUNS: | 78697862 |
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Facility Location Address

| | |
|-----------|-----------------------|
| Street 1: | 2401 5th Avenue South |
| Street 2: | N/A |
| City: | Texas City |
| State: | TX |
| ZIP: | 77590 |
| ZIP4: | 8349 |
| County: | Galveston |

Facility Latitude and Longitude

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|----------------------|-------------|
| Latitude (decimal): | 29.379167 |
| Longitude (decimal): | -094.929167 |

Local Emergency Planning Committee and Regulations

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|--------------|--------------------------------|
| LEPC: | Galveston County-Texas City LE |
| OSHA PSM: | Yes |
| EPCRA 302: | Yes |
| CAA Title V: | Yes |

Process Chemicals

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |

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|------------------|--|
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Ammonia (conc 20% or greater) |
| CAS Number: | 7664-41-7 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid] |
| CAS Number: | 7664-39-3 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid] |
| CAS Number: | 7664-39-3 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Hydrogen sulfide |
| CAS Number: | 7783-06-4 |
| Flammable/Toxic: | Toxic |
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | 1-Butene |
| CAS Number: | 106-98-9 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |

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|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Butene |
| CAS Number: | 106-98-9 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methylpropene [1-Propene, 2-methyl-] |
| CAS Number: | 115-11-7 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (E)- |
| CAS Number: | 646-04-8 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |

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|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

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|------------------|-----------|
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

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|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

Chemical Name: 1-Butene
CAS Number: 106-98-9
Flammable/Toxic: Flammable

Chemical Name: Pentane
CAS Number: 109-66-0
Flammable/Toxic: Flammable

Chemical Name: 2-Methylpropene [1-Propene,
2-methyl-]
CAS Number: 115-11-7
Flammable/Toxic: Flammable

Chemical Name: 2-Butene-trans [2-Butene, (E)]
CAS Number: 624-64-6
Flammable/Toxic: Flammable

Program Level: Program Level 3 process
Chemical Name: Flammable Mixture
CAS Number: 00-11-11
Flammable/Toxic: Flammable

Flammable Mixture Chemical Components

Chemical Name: Isopentane [Butane, 2-methyl-]
CAS Number: 78-78-4
Flammable/Toxic: Flammable

Chemical Name: Methane
CAS Number: 74-82-8
Flammable/Toxic: Flammable

Chemical Name: Ethane
CAS Number: 74-84-0
Flammable/Toxic: Flammable

Chemical Name: Propane
CAS Number: 74-98-6
Flammable/Toxic: Flammable

Chemical Name: Isobutane [Propane, 2-methyl]
CAS Number: 75-28-5
Flammable/Toxic: Flammable

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|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

Chemical Name: Butane
CAS Number: 106-97-8
Flammable/Toxic: Flammable

Chemical Name: Pentane
CAS Number: 109-66-0
Flammable/Toxic: Flammable

Program Level: Program Level 3 process
Chemical Name: Flammable Mixture
CAS Number: 00-11-11
Flammable/Toxic: Flammable

Flammable Mixture Chemical Components

Chemical Name: Isopentane [Butane, 2-methyl-]
CAS Number: 78-78-4
Flammable/Toxic: Flammable

Chemical Name: Methane
CAS Number: 74-82-8
Flammable/Toxic: Flammable

Chemical Name: Ethane
CAS Number: 74-84-0
Flammable/Toxic: Flammable

Chemical Name: Propane
CAS Number: 74-98-6
Flammable/Toxic: Flammable

Chemical Name: Isobutane [Propane, 2-methyl]
CAS Number: 75-28-5
Flammable/Toxic: Flammable

Chemical Name: Butane
CAS Number: 106-97-8
Flammable/Toxic: Flammable

Chemical Name: Pentane
CAS Number: 109-66-0
Flammable/Toxic: Flammable

Program Level: Program Level 3 process
Chemical Name: Flammable Mixture
CAS Number: 00-11-11
Flammable/Toxic: Flammable

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1,3-Pentadiene |
| CAS Number: | 504-60-9 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 3-Methyl-1-butene |
| CAS Number: | 563-45-1 |
| Flammable/Toxic: | Flammable |

Chemical Name: 2-Methyl-1-butene
CAS Number: 563-46-2
Flammable/Toxic: Flammable

Chemical Name: 2-Butene-cis
CAS Number: 590-18-1
Flammable/Toxic: Flammable

Chemical Name: 2-Butene-trans [2-Butene, (E)]
CAS Number: 624-64-6
Flammable/Toxic: Flammable

Chemical Name: 2-Pentene, (Z)-
CAS Number: 627-20-3
Flammable/Toxic: Flammable

Chemical Name: 2-Pentene, (E)-
CAS Number: 646-04-8
Flammable/Toxic: Flammable

Chemical Name: Butene
CAS Number: 25167-67-3
Flammable/Toxic: Flammable

Chemical Name: Ethylene [Ethene]
CAS Number: 74-85-1
Flammable/Toxic: Flammable

Program Level: Program Level 3 process
Chemical Name: Flammable Mixture
CAS Number: 00-11-11
Flammable/Toxic: Flammable

Flammable Mixture Chemical Components

Chemical Name: Isopentane [Butane, 2-methyl-]
CAS Number: 78-78-4
Flammable/Toxic: Flammable

Chemical Name: Methane
CAS Number: 74-82-8
Flammable/Toxic: Flammable

Chemical Name: Ethane
CAS Number: 74-84-0
Flammable/Toxic: Flammable

| | |
|------------------|-------------------------------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|---|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Butene |
| CAS Number: | 106-98-9 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methylpropene [1-Propene, 2-methyl-] |
| CAS Number: | 115-11-7 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (Z)- |
| CAS Number: | 627-20-3 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (E)- |
| CAS Number: | 646-04-8 |
| Flammable/Toxic: | Flammable |
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

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|------------------|-----------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--|
| Chemical Name: | 2,2-Dimethylpropane [Propane, 2,2-dimethyl-] |
| CAS Number: | 463-82-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|-----------|
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | 1-Butene |
| CAS Number: | 106-98-9 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------------------|
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------|
| Chemical Name: | Ethylene [Ethene] |
| CAS Number: | 74-85-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------------------|
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|-----------|
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | 1-Butene |
| CAS Number: | 106-98-9 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methylpropene [1-Propene, 2-methyl-] |
| CAS Number: | 115-11-7 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--------------------------------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1,3-Butadiene |
| CAS Number: | 106-99-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 3-Methyl-1-butene |
| CAS Number: | 563-45-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (Z)- |
| CAS Number: | 627-20-3 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (E)- |
| CAS Number: | 646-04-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butene |
| CAS Number: | 25167-67-3 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|---------------|
| Chemical Name: | 1,3-Butadiene |
| CAS Number: | 106-99-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------------------|
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--------------------------------|
| Chemical Name: | 3-Methyl-1-butene |
| CAS Number: | 563-45-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (Z)- |
| CAS Number: | 627-20-3 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (E)- |
| CAS Number: | 646-04-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Hydrogen |
| CAS Number: | 1333-74-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butene |
| CAS Number: | 25167-67-3 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Ethylene [Ethene] |
| CAS Number: | 74-85-1 |
| Flammable/Toxic: | Flammable |
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Methane |
| CAS Number: | 74-82-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------------------|
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--------------|
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--------------------------------|
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|------------|
| Chemical Name: | Butene |
| CAS Number: | 25167-67-3 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------------|
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|--------------------------------|
| Chemical Name: | 1,3-Butadiene |
| CAS Number: | 106-99-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 1-Pentene |
| CAS Number: | 109-67-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 3-Methyl-1-butene |
| CAS Number: | 563-45-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Methyl-1-butene |
| CAS Number: | 563-46-2 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-cis |
| CAS Number: | 590-18-1 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Butene-trans [2-Butene, (E)] |
| CAS Number: | 624-64-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (Z)- |
| CAS Number: | 627-20-3 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | 2-Pentene, (E)- |
| CAS Number: | 646-04-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butene |
| CAS Number: | 25167-67-3 |
| Flammable/Toxic: | Flammable |
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|-------------------------------|
| Chemical Name: | Ethane |
| CAS Number: | 74-84-0 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propylene [1-Propene] |
| CAS Number: | 115-07-1 |
| Flammable/Toxic: | Flammable |
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Isobutane [Propane, 2-methyl] |
| CAS Number: | 75-28-5 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-------------------------|
| Program Level: | Program Level 3 process |
| Chemical Name: | Flammable Mixture |
| CAS Number: | 00-11-11 |
| Flammable/Toxic: | Flammable |

Flammable Mixture Chemical Components

| | |
|------------------|--------------------------------|
| Chemical Name: | Isopentane [Butane, 2-methyl-] |
| CAS Number: | 78-78-4 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |

| | |
|------------------|-----------|
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

Process NAICS

| | |
|--------------------|----------------------|
| NAICS Code: | 32411 |
| NAICS Description: | Petroleum Refineries |

Section 6. Accident History

Accident History ID: Accident 1

| | |
|---------------------------------|----------------------|
| Date of Accident: | December 2023 |
| Time Accident Began (HH:MM): | 07:00 |
| NAICS Code of Process Involved: | 32411 |
| NAICS Description: | Petroleum Refineries |
| Release Duration: | 005 Hours 05 Minutes |

Release Event

| | |
|--------------------------------|-----|
| Gas Release: | Yes |
| Liquid Spill/Evaporation: | N/A |
| Fire: | N/A |
| Explosion: | N/A |
| Uncontrolled/Runaway Reaction: | N/A |

Release Source

| | |
|-----------------------|-----------------------|
| Storage Vessel: | N/A |
| Piping: | N/A |
| Process Vessel: | N/A |
| Transfer Hose: | N/A |
| Valve: | N/A |
| Pump: | N/A |
| Joint: | N/A |
| Other Release Source: | SRU Incinerator Stack |

Weather Conditions at the Time of Event

| | |
|------------------------------|---------|
| Wind Speed: | 9.0 |
| Units: | Miles/h |
| Direction: | NE |
| Temperature: | 57 |
| Atmospheric Stability Class: | D |
| Precipitation Present: | N/A |
| Unknown Weather Conditions: | N/A |

On-Site Impacts

| | |
|----------------------------------|---|
| Employee or Contractor Deaths: | 0 |
| Public Responder Deaths: | 0 |
| Public Deaths: | 0 |
| Employee or Contractor Injuries: | 0 |
| Public Responder Injuries: | 0 |
| Public Injuries: | 0 |
| On-Site Property Damage (\$): | 0 |

Known Off-Site Impacts

| | |
|--------------------------------|----|
| Deaths: | 0 |
| Hospitalizations: | 0 |
| Public Deaths: | 0 |
| Other Medical Treatments: | 0 |
| Evacuated: | 0 |
| Sheltered-in-Place: | 86 |
| Off-Site Property Damage (\$): | 0 |

Environmental Damage

| | |
|------------------------------------|-----|
| Fish or Animal Kills: | N/A |
| Tree, Lawn, Shrub, or Crop Damage: | N/A |
| Water Contamination: | N/A |
| Soil Contamination: | N/A |
| Other Environmental Damage: | N/A |

Initiating Event

| | |
|-------------------|-------------------|
| Initiating Event: | Equipment Failure |
|-------------------|-------------------|

Contributing Factors

| | |
|----------------------------------|-----|
| Equipment Failure: | N/A |
| Human Error: | N/A |
| Improper Procedures: | N/A |
| Overpressurization: | N/A |
| Upset Condition: | Yes |
| By-Pass Condition: | N/A |
| Maintenance Activity/Inactivity: | N/A |
| Process Design Failure: | N/A |
| Unsuitable Equipment: | N/A |
| Unusual Weather Condition: | N/A |
| Management Error: | N/A |
| Other Contributing Factor: | N/A |

Off-Site Responders Notified

| | |
|-------------------------------|------------------------|
| Off-Site Responders Notified: | Notified and Responded |
|-------------------------------|------------------------|

Changes Introduced as a Result of the Accident

| | |
|----------------------------------|-----|
| Improved or Upgraded Equipment: | N/A |
| Revised Maintenance: | N/A |
| Revised Training: | Yes |
| Revised Operating Procedures: | Yes |
| New Process Controls: | Yes |
| New Mitigation Systems: | N/A |
| Revised Emergency Response Plan: | N/A |
| Changed Process: | N/A |
| Reduced Inventory: | N/A |
| None: | N/A |
| Other Changes Introduced: | N/A |

Chemicals in Accident History

| | |
|--------------------------|----------------------------|
| Quantity Released (lbs): | 10356 |
| Percent Weight: | 100 |
| Chemical Name: | Sulfur dioxide (anhydrous) |
| CAS Number: | 7446-09-5 |
| Flammable/Toxic: | Toxic |

Accident History ID: Accident 2

| | |
|---------------------------------|----------------------|
| Date of Accident: | June 2023 |
| Time Accident Began (HH:MM): | 11:45 |
| NAICS Code of Process Involved: | 32411 |
| NAICS Description: | Petroleum Refineries |
| Release Duration: | 009 Hours 24 Minutes |

Release Event

| | |
|--------------------------------|-----|
| Gas Release: | Yes |
| Liquid Spill/Evaporation: | N/A |
| Fire: | N/A |
| Explosion: | N/A |
| Uncontrolled/Runaway Reaction: | N/A |

Release Source

| | |
|-----------------------|-----------------------|
| Storage Vessel: | N/A |
| Piping: | N/A |
| Process Vessel: | N/A |
| Transfer Hose: | N/A |
| Valve: | N/A |
| Pump: | N/A |
| Joint: | N/A |
| Other Release Source: | SRU Incinerator Stack |

Weather Conditions at the Time of Event

| | |
|------------------------------|---------|
| Wind Speed: | 14.0 |
| Units: | Miles/h |
| Direction: | SW |
| Temperature: | 89 |
| Atmospheric Stability Class: | D |
| Precipitation Present: | N/A |
| Unknown Weather Conditions: | N/A |

On-Site Impacts

| | |
|----------------------------------|---|
| Employee or Contractor Deaths: | 0 |
| Public Responder Deaths: | 0 |
| Public Deaths: | 0 |
| Employee or Contractor Injuries: | 0 |
| Public Responder Injuries: | 0 |
| Public Injuries: | 0 |
| On-Site Property Damage (\$): | 0 |

Known Off-Site Impacts

| | |
|--------------------------------|-------|
| Deaths: | 0 |
| Hospitalizations: | 0 |
| Public Deaths: | 0 |
| Other Medical Treatments: | 0 |
| Evacuated: | 0 |
| Sheltered-in-Place: | 23000 |
| Off-Site Property Damage (\$): | 0 |

Environmental Damage

| | |
|------------------------------------|-----|
| Fish or Animal Kills: | N/A |
| Tree, Lawn, Shrub, or Crop Damage: | N/A |
| Water Contamination: | N/A |
| Soil Contamination: | N/A |
| Other Environmental Damage: | |

Initiating Event

| | |
|-------------------|-------------------|
| Initiating Event: | Equipment Failure |
|-------------------|-------------------|

Contributing Factors

| | |
|----------------------------------|-----|
| Equipment Failure: | N/A |
| Human Error: | N/A |
| Improper Procedures: | N/A |
| Overpressurization: | N/A |
| Upset Condition: | Yes |
| By-Pass Condition: | N/A |
| Maintenance Activity/Inactivity: | N/A |
| Process Design Failure: | N/A |
| Unsuitable Equipment: | N/A |
| Unusual Weather Condition: | N/A |
| Management Error: | N/A |
| Other Contributing Factor: | N/A |

Off-Site Responders Notified

| | |
|-------------------------------|------------------------|
| Off-Site Responders Notified: | Notified and Responded |
|-------------------------------|------------------------|

Changes Introduced as a Result of the Accident

| | |
|----------------------------------|-----|
| Improved or Upgraded Equipment: | Yes |
| Revised Maintenance: | N/A |
| Revised Training: | Yes |
| Revised Operating Procedures: | Yes |
| New Process Controls: | Yes |
| New Mitigation Systems: | Yes |
| Revised Emergency Response Plan: | N/A |
| Changed Process: | N/A |
| Reduced Inventory: | N/A |
| None: | N/A |
| Other Changes Introduced: | N/A |

Chemicals in Accident History

| | |
|--------------------------|----------------------------|
| Quantity Released (lbs): | 18543 |
| Percent Weight: | 100 |
| Chemical Name: | Sulfur dioxide (anhydrous) |
| CAS Number: | 7446-09-5 |
| Flammable/Toxic: | Toxic |

Accident History ID: Accident 3

| | |
|---------------------------------|----------------------|
| Date of Accident: | May 2023 |
| Time Accident Began (HH:MM): | 09:35 |
| NAICS Code of Process Involved: | 32411 |
| NAICS Description: | Petroleum Refineries |
| Release Duration: | 154 Hours 00 Minutes |

Release Event

| | |
|--------------------------------|-----|
| Gas Release: | Yes |
| Liquid Spill/Evaporation: | N/A |
| Fire: | Yes |
| Explosion: | N/A |
| Uncontrolled/Runaway Reaction: | N/A |

Release Source

| | |
|-----------------------|-----|
| Storage Vessel: | N/A |
| Piping: | Yes |
| Process Vessel: | N/A |
| Transfer Hose: | N/A |
| Valve: | N/A |
| Pump: | N/A |
| Joint: | N/A |
| Other Release Source: | N/A |

Weather Conditions at the Time of Event

| | |
|------------------------------|---------|
| Wind Speed: | 10.0 |
| Units: | Miles/h |
| Direction: | SSE |
| Temperature: | 81 |
| Atmospheric Stability Class: | D |
| Precipitation Present: | N/A |
| Unknown Weather Conditions: | N/A |

On-Site Impacts

| | |
|----------------------------------|----------|
| Employee or Contractor Deaths: | 1 |
| Public Responder Deaths: | 0 |
| Public Deaths: | 0 |
| Employee or Contractor Injuries: | 2 |
| Public Responder Injuries: | 0 |
| Public Injuries: | 0 |
| On-Site Property Damage (\$): | 40000000 |

Known Off-Site Impacts

| | |
|--------------------------------|---|
| Deaths: | 0 |
| Hospitalizations: | 0 |
| Public Deaths: | 0 |
| Other Medical Treatments: | 0 |
| Evacuated: | 0 |
| Sheltered-in-Place: | 0 |
| Off-Site Property Damage (\$): | 0 |

Environmental Damage

| | |
|------------------------------------|-----|
| Fish or Animal Kills: | N/A |
| Tree, Lawn, Shrub, or Crop Damage: | N/A |
| Water Contamination: | N/A |
| Soil Contamination: | N/A |
| Other Environmental Damage: | N/A |

Initiating Event

| | |
|-------------------|-------------------|
| Initiating Event: | Equipment Failure |
|-------------------|-------------------|

Contributing Factors

| | |
|----------------------------------|-----|
| Equipment Failure: | Yes |
| Human Error: | N/A |
| Improper Procedures: | N/A |
| Overpressurization: | N/A |
| Upset Condition: | N/A |
| By-Pass Condition: | N/A |
| Maintenance Activity/Inactivity: | Yes |
| Process Design Failure: | N/A |
| Unsuitable Equipment: | N/A |
| Unusual Weather Condition: | N/A |
| Management Error: | N/A |
| Other Contributing Factor: | N/A |

Off-Site Responders Notified

| | |
|-------------------------------|------------------------|
| Off-Site Responders Notified: | Notified and Responded |
|-------------------------------|------------------------|

Changes Introduced as a Result of the Accident

| | |
|----------------------------------|-----|
| Improved or Upgraded Equipment: | Yes |
| Revised Maintenance: | Yes |
| Revised Training: | Yes |
| Revised Operating Procedures: | N/A |
| New Process Controls: | N/A |
| New Mitigation Systems: | N/A |
| Revised Emergency Response Plan: | N/A |
| Changed Process: | N/A |
| Reduced Inventory: | N/A |
| None: | N/A |
| Other Changes Introduced: | N/A |

Chemicals in Accident History

| | |
|--------------------------|-----------|
| Quantity Released (lbs): | 350 |
| Percent Weight: | N/A |
| Chemical Name: | Butane |
| CAS Number: | 106-97-8 |
| Flammable/Toxic: | Flammable |
| Quantity Released (lbs): | 80 |
| Percent Weight: | N/A |
| Chemical Name: | Propane |
| CAS Number: | 74-98-6 |
| Flammable/Toxic: | Flammable |
| Quantity Released (lbs): | 900 |
| Percent Weight: | N/A |
| Chemical Name: | Pentane |
| CAS Number: | 109-66-0 |
| Flammable/Toxic: | Flammable |

Accident History ID: Accident 4

| | |
|---------------------------------|----------------------|
| Date of Accident: | May 2021 |
| Time Accident Began (HH:MM): | 15:15 |
| NAICS Code of Process Involved: | 32411 |
| NAICS Description: | Petroleum Refineries |
| Release Duration: | 000 Hours 01 Minutes |

Release Event

| | |
|--------------------------------|-----|
| Gas Release: | Yes |
| Liquid Spill/Evaporation: | N/A |
| Fire: | N/A |
| Explosion: | N/A |
| Uncontrolled/Runaway Reaction: | N/A |

Release Source

| | |
|-----------------------|-----|
| Storage Vessel: | N/A |
| Piping: | N/A |
| Process Vessel: | N/A |
| Transfer Hose: | N/A |
| Valve: | Yes |
| Pump: | N/A |
| Joint: | N/A |
| Other Release Source: | N/A |

Weather Conditions at the Time of Event

| | |
|------------------------------|---------|
| Wind Speed: | 11.0 |
| Units: | Miles/h |
| Direction: | SSE |
| Temperature: | 84 |
| Atmospheric Stability Class: | D |
| Precipitation Present: | N/A |
| Unknown Weather Conditions: | N/A |

On-Site Impacts

| | |
|----------------------------------|---|
| Employee or Contractor Deaths: | 0 |
| Public Responder Deaths: | 0 |
| Public Deaths: | 0 |
| Employee or Contractor Injuries: | 2 |
| Public Responder Injuries: | 0 |
| Public Injuries: | 0 |
| On-Site Property Damage (\$): | 0 |

Known Off-Site Impacts

| | |
|--------------------------------|-----|
| Deaths: | 0 |
| Hospitalizations: | 0 |
| Public Deaths: | 0 |
| Other Medical Treatments: | 0 |
| Evacuated: | 0 |
| Sheltered-in-Place: | 200 |
| Off-Site Property Damage (\$): | 0 |

Environmental Damage

| | |
|------------------------------------|-----|
| Fish or Animal Kills: | N/A |
| Tree, Lawn, Shrub, or Crop Damage: | N/A |
| Water Contamination: | N/A |
| Soil Contamination: | N/A |
| Other Environmental Damage: | N/A |

Initiating Event

| | |
|-------------------|-------------|
| Initiating Event: | Human Error |
|-------------------|-------------|

Contributing Factors

| | |
|----------------------------------|-----|
| Equipment Failure: | N/A |
| Human Error: | N/A |
| Improper Procedures: | Yes |
| Overpressurization: | N/A |
| Upset Condition: | N/A |
| By-Pass Condition: | N/A |
| Maintenance Activity/Inactivity: | N/A |
| Process Design Failure: | N/A |
| Unsuitable Equipment: | N/A |
| Unusual Weather Condition: | N/A |
| Management Error: | N/A |
| Other Contributing Factor: | N/A |

Off-Site Responders Notified

| | |
|-------------------------------|------------------------|
| Off-Site Responders Notified: | Notified and Responded |
|-------------------------------|------------------------|

Changes Introduced as a Result of the Accident

| | |
|----------------------------------|-----|
| Improved or Upgraded Equipment: | N/A |
| Revised Maintenance: | N/A |
| Revised Training: | N/A |
| Revised Operating Procedures: | Yes |
| New Process Controls: | N/A |
| New Mitigation Systems: | N/A |
| Revised Emergency Response Plan: | N/A |
| Changed Process: | N/A |
| Reduced Inventory: | N/A |
| None: | N/A |
| Other Changes Introduced: | N/A |

Chemicals in Accident History

| | |
|--------------------------|--|
| Quantity Released (lbs): | 74 |
| Percent Weight: | 100 |
| Chemical Name: | Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid] |
| CAS Number: | 7664-39-3 |
| Flammable/Toxic: | Toxic |

Section 9. Emergency Response

Written Emergency Response (ER) Plan

| | |
|---|-----|
| Community Plan (Is facility included in written community emergency response plan?): | Yes |
| Facility Plan (Does facility have its own written emergency response plan?): | Yes |
| Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): | Yes |
| Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): | Yes |
| Healthcare (Does facility's ER plan include information on emergency health care?): | Yes |

Local Agency

Agency Name (Name of local agency
with which the facility ER plan or
response activities are coordinated):

Texas City/LaMarque LEPC

Agency Phone Number (Phone number
of local agency with which the facility
ER plan or response activities are
coordinated):

(409) 643-5707