# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 1)

# Federal Operating Permit Program

# Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  |  | **Title 40 CFR** | **Part 60, Subpart** | **KKK** | **Fugitives Unit** | **Components** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP/GOP Index No.** | **Facility Type** | **Construction/ Modification Date** | **Facility Covered by 40 CFR Part 60, Subparts VV or GGG** | **Compressors** | Reciprocating Compressor in Wet Gas Service | **AMEL** | **AMEL ID No.** | Complying  with § 60.482-3 |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 2)

# Federal Operating Permit Program

# Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60, Subpart KKK** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  | **Any** | **Component** |  |  | **Pumps** |  |
| **Unit ID No.** | **SOP Index No.** | **Vacuum Service** | **Non-VOC or Non-Wet Gas Service** | **Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 60.482-2** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 3)

# Federal Operating Permit Program

# Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 CFR** | **Part 60,** | **Subpart KKK** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pumps** | **(continued)** |  |  | **Pressure** | **Relief** | **Device** |
| **Unit No.** | **SOP Index No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 60.482-8** | **Gas/Vapor Service** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 60.482-4** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 4)

# Federal Operating Permit Program

# Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **KKK** | **Fugitive** | **Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Pressure** | **Relief Devices** | **(continued)** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Light Liquid Service** | **AMEL** | **AMEL ID No.** | Complying with § 60.482-8 | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | Complying with § 60.482-8 |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 5)

# Federal Operating Permit Program

# Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart KKK** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
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| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 60.482-6** | Flanges and Other Connectors | **AMEL** | **AMEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 6)

# Federal Operating Permit Program

# Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart KKK** | **Fugitive** | **Unit** | **Components** | **(continued)** |  |
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|  |  |  |  |  |  | **Valves** |  |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **2% Valves Leaking** | **Gas/Vapor Service** | **AMEL** | **AMEL ID No.** | **Complying with § 60.482-7** | **Light Liquid Service** | **AMEL** | **AMEL ID No.** | Complying with  **§ 60.482-7** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 7)

# Federal Operating Permit Program

# Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40** | **CFR Part 60,** | **Subpart** | **KKK** | **Fugitive** | **Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Valves** | **(continued)** |  |  | **Closed Vent** | **Systems and** | **Control** | **Devices** |
| **Unit ID No.** | **SOP Index No** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 60.482-8** | **Control Devices used to comply with AMEL** | **AMEL ID No.** | **Flare** | **Control Device**  **ID No.** | **Complying with**  **§60.482-10** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 8)

# Federal Operating Permit Program

# Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part 60,** | **Subpart KKK** | **Fugitive** | **Unit Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent Systems** | **and Control** | **Devices** | **(continued)** |  |
| **Unit ID No.** | **SOP Index No.** | **Vapor Recovery System** | **Control Device ID No.** | **Complying**  **with § 60.482-10** | **Enclosed Combustion Device** | **Control Device ID No.** | Complying  with § 60.482-10 |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 9)

# Federal Operating Permit Program

# Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60, Subpart** | **KKK Fugitive Unit** | **Components (continued)** |
| --- | --- | --- | --- | --- |
|  |  | **Control Device(s) and Closed** | **Vent Systems (continued)** |  |
| **Unit ID No.** | **SOP Index No.** | **Closed-Vent Systems** | **Complying with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 10)

# Federal Operating Permit Program

# Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 11)

# Federal Operating Permit Program

# Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Title 30 TAC § 115.352 Applicable** | < 250  **Components at Site** | **Weight Percent VOC** | **Reciprocating Compressors or Positive Displacement Pumps** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 12)

# Federal Operating Permit Program

# Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Rupture Disks** | **Instrumentation Systems** | **Sampling Connection Systems** | **TVP ≤ 0.002 psia** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 13)

# Federal Operating Permit Program

# Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Process Drains** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **TVP of Process Fluid VOC < 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 14)

# Federal Operating Permit Program

# Table 2d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** | **(continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Pressure Relief Valves** | **ACR** | **ACR ID No.** | Complying  with §115.352(1) | **TVP of Process Fluid VOC ≤ 0.044 psia at 68° F** | **TVP of Process Fluid VOC > 0.044 psia at 68° F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 15)

# Federal Operating Permit Program

# Table 2e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** | **(continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves and Lines** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **TVP of Process Fluid VOC < 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 16)

# Federal Operating Permit Program

# Table 2f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | Valves (other than pressure relief and  **open-ended)** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **TVP of Process Fluid VOC ≤ 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 17)

# Federal Operating Permit Program

# Table 2g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Flanges** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **TVP of Process Fluid VOC < 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 18)

# Federal Operating Permit Program

# Table 2h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,

# and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Agitators** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **TVP of Process Fluid VOC < 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 19)

# Federal Operating Permit Program

# Table 2i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** |  | **Fugitive Unit** | **Components** | **(continued)** |  |
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| **Unit ID No.** | **SOP Index No.** | **Compressor Seals** | **ACR** | **ACR ID No.** | **Complying with § 115.352(1)** | **Hydrogen Content to Exceed 50% by Volume** | **Shaft Seal System** | **TVP of Process Fluid VOC ≤ 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 20)

# Federal Operating Permit Program

# Table 2j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,

# and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.352** |  | **Fugitive Unit** | **Components** | **(continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Pump Seals** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.352(1)** | **Shaft Seal System** | **TVP of Process Fluid VOC ≤ 0.044 psia at 68°F** | **TVP of Process Fluid VOC > 0.044 psia at 68°F** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 21)

# Federal Operating Permit Program

# Table 2k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Components Utilizing Alternative Work Practice in § 115.358** | **Title 30 TAC § 115.358**  **Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 22)

# Federal Operating Permit Program

# Table 3a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part** | **61, Subpart V** | **Fugitive Unit** | **Component** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Any Component** |  |  |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Vacuum Service** | **VHAP Service** | **Pumps** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-2** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 23)

# Federal Operating Permit Program

# Table 3b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive Unit** | **Components (continued)** |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Compressors** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-3** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 24)

# Federal Operating Permit Program

# Table 3c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 61,** | **Subpart V** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  |  |  |  | **Pressure** | **Relief Device** |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Gas/Vapor Service** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-4** | **Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 25)

# Federal Operating Permit Program

# Table 3d: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 61,** | **Subpart V** | **Fugitive Unit** | **Components** | **(continued)** |  |
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| **Unit ID No.** | **SOP Index No.** | **Sampling Connection Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-5** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-6** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 26)

# Federal Operating Permit Program

# Table 3e: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 61,** | **Subpart V** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Valves** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-7** | **Flanges and Other Connectors** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 27)

# Federal Operating Permit Program

# Table 3f: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Product Accumulator Vessels** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-9** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 28)

# Federal Operating Permit Program

# Table 3g: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Vapor Recovery System** | **AMEL** | **AMEL ID No.** | **Control Device ID No.** | **Complying with § 61.242-11(b)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 29)

# Federal Operating Permit Program

# Table 3h: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Enclosed Combustion Device** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-11(c)** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 30)

# Federal Operating Permit Program

# Table 3i: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Flare** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-11(d)** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 31)

# Federal Operating Permit Program

# Table 3j: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart V: National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 61,** | **Subpart V Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems and** | **Control Devices** | **(continued)** |
| **Unit ID No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-11(f)(1)** | **Title 40 CFR Part 61, Subpart V Fugitive**  **Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 32)

# Federal Operating Permit Program

# Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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| **Unit ID No.** | **SOP Index No.** | **Produces Chemicals** | **Affected Facility** | Construction/  **Modification Date** | **Compliance Option** | **Design Capacity** | **Produces Heavy Liquid Chemicals** | **Beverage Alcohol Production** |
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# Texas Commission on Environmental Quality

# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 33)

# Federal Operating Permit Program

# Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60, Subpart** | **VV Fugitive Unit** | **Components** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Any Component** |  |  |  | **Pumps** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Equipment in VOC Service** | **Vacuum Service** | **VOC Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-2** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 34)

# Federal Operating Permit Program

# Table 4c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Compressor** |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Compressor** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-3** | **Pressure Relief Devices in Gas/Vapor Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 35)

# Federal Operating Permit Program

# Table 4d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart VV** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Sampling** | **Connection** | **System** |  | **Valves** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Sampling Connection** | **EEL** | **EEL ID No.** | **Complying with 60.482-5** | **Open-Ended** | **EEL** | **EEL ID No.** | **Complying with 60.482-6** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 36)

# Federal Operating Permit Program

# Table 4e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive** | **Unit Components** | **(continued)** |
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|  |  |  |  | **Values (continued)** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **2.0%** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-7** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 37)

# Federal Operating Permit Program

# Table 4f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart VV** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  |  |  | **Pumps** |  |  | **Valves** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 38)

# Federal Operating Permit Program

# Table 4g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart VV** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pressure** | **Relief Devices** |  |  | **Connectors** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8** | **Flanges and Other Connectors** | **EEL** | **EEL ID No.** | **Complying with 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 39)

# Federal Operating Permit Program

# Table 4h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Closed Vent Systems** | **and Control Devices** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 40)

# Federal Operating Permit Program

# Table 4i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Enclosed Combustion Device** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 41)

# Federal Operating Permit Program

# Table 4j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent System** | **and Control Device** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Flare** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 42)

# Federal Operating Permit Program

# Table 4k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VV Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent System and** | **Control Devices** |  |
| **Unit ID. No.** | **SOP Index No.** | **CVS(or Vapor Collection System)** | **EEL** | **EEL ID No.** | **Complying with 60.482-10** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 43)

# Federal Operating Permit Program

# Table 4l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VV: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60, Subpart VV Fugitive Unit Components (continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Title 40 CFR Part 60, Subpart VV Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 44)

# Federal Operating Permit Program

# Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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| **Unit ID No.** | **SOP Index No.** | **Manufactured Product** | **Continuous Process** | **Construction/ Modification Date** | **VOC Service** | **Design Capacity** | **Equipment in Vacuum Service** | **VOC Service Less Than**  **300 Hours** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 45)

# Federal Operating Permit Program

# Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart DDD** | **Fugitive Unit** | **Components** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Pumps** |  |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-2** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 46)

# Federal Operating Permit Program

# Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart DDD** | **Fugitive Unit** | **Components** | **(continued)** |  |
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| **Unit ID No.** | **SOP Index No.** | **Flanges and Other Connectors** | **EEL** | **EEL ID No.** | **Complying with**  **§ 60.482-8** | **Compressors** | **EEL** | **EEL ID No.** | **Complying with § 60.482-3** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 47)

# Federal Operating Permit Program

# Table 5d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart DDD** | **Fugitive Unit** | **Components** |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pressure** | **Relief** | **Devices** |  |  |  |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Gas/Vapor Service** | **Light Liquid or Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-8** | **Sampling Connection Systems** | **EEL** | **EEL ID No.** | **Complying with § 60.482-5** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 48)

# Federal Operating Permit Program

# Table 5e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart DDD** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Valves** |  |  |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Gas/Vapor or Light Liquid Service** | **2.0%** | **EEL** | **EEL ID No.** | **Complying with § 60.482-7** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 49)

# Federal Operating Permit Program

# Table 5f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** **DDD** | **Fugitive Unit** | **Components** | **(continued)** |  |
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| **Unit ID No** | **SOP Index No.** | **Open-ended Valves or Lines** | **EEL** | **EEL ID No.** | **Complying with § 60.482-6** | **Closed-Vent (or Vapor Collection) Systems** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 50)

# Federal Operating Permit Program

# Table 5g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 40** | **CFR Part** | **60, Subpart** | **DDD** | **Fugitive** | **Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP**  **Index No.** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying with § 60.482-10** | **Control Device**  **ID No.** | **Enclosed Combustion Device** | **EEL** | **EEL ID No.** | **Complying with § 60.482-10** | **Control Device**  **ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 51)

# Federal Operating Permit Program

# Table 5h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part** | **60, Subpart DDD** | **Fugitive Unit** | **Components** | **(continued)** |  |
| **Unit ID No** | **SOP Index No.** | **Flare** | **BEEL** | **9BEEL ID No.** | **Complying**  **with § 60.482-10** | **Control Device**  **ID No.** | **Title 40 CFR**  **Part 60, Subpart DDD Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 52)

# Federal Operating Permit Program

# Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart J: National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Design Capacity** | **Any Component in Benzene Service** | **AMEL** | **AMEL ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 53)

# Federal Operating Permit Program

# Table 7a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **VOC Weight Percent** | **2-Inch Valves** | **Title 30 TAC § 115.322 Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 54)

# Federal Operating Permit Program

# Table 7b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **§ 115.322 Fugitive** | **Unit Components** |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID. No.** | **SOP Index No.** | **Pump Seals** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.327(3) and § 115.322(1)** | **Remaining Components Complying**  **with § 115.322(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 55)

# Federal Operating Permit Program

# 102BTable 7c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 30** | **TAC§ 115.322** | **Fugitive** | **Unit** | **Components** | **(continued)** |  |  |
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|  |  |  |  | **Valves** | **(Other Than** | **Elevated or** | **Pressure** | **Relief** | **Valves)** |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Gaseous VOC Service** | **ACR** | **ACR ID No.** | **Complying with § 115.327(5) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** | **Liquid VOC Service** | **ACR** | **ACR ID No.** | **Complying with § 115.327(3) or (5) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 56)

# Federal Operating Permit Program

# Table 7d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30** | **TAC** | **§ 115.322** | **Fugitive** | **Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID. No.** | **SOP**  **Index No.** | **Process Drains** | **ACR** | **ACR**  **ID No.** | **Complying with § 115.327(3) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** | **Compressor Seals** | **ACR** | **ACR ID No.** | **Complying with § 115.327(3) or (6) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 57)

# Federal Operating Permit Program

# Table 7e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  | **Title 30** | **TAC §** | **115.322** | **Fugitive** | **Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP**  **Index No.** | **Elevated Valves** | **ACR** | **ACR ID No.** | **Complying with § 115.327(3) or (5) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** | **Pressure Relief Valve in Gaseous VOC Service** | **ACR** | **ACR ID No.** | **Complying with § 115.327(3) or (5) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 58)

# Federal Operating Permit Program

# Table 7f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter D: Fugitive Emission Control in Petroleum Refineries in Gregg, Nueces, and Victoria Counties

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **30 TAC § 115.322** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID. No.** | **SOP Index No.** | **Connectors** | **ACR** | **ACR ID No.** | **Complying with § 115.327(3) and § 115.322(1)** | **Remaining Components Complying with § 115.322(1)** | **Components Complying with § 115.358** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 59)

# Federal Operating Permit Program

# Table 8a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Construction/Modification Date** | **Affected Facility Covered by 40 CFR 60 Subparts VV or KKK** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 60)

# Federal Operating Permit Program

# Table 8b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **GGG** | **Fugitive** | **Unit** | **Components** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Pumps** |  |  |  |  |
| **Unit ID No.** | **SOP**  **Index No.** | **Vacuum Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-2** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 61)

# Federal Operating Permit Program

# Table 8c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Compressors** |  |  |  |
| **Unit**  **ID No.** | **SOP Index No.** | **Any Compressors** | **Compressors in Hydrogen Service** | **Reciprocating Compressors that became an affected facility under § 60.14 or § 60.15** | **EEL** | **EEL**  **ID No.** | **Complying with § 60.482-3** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 62)

# Federal Operating Permit Program

# Table 8d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **GGG** | **Fugitive** | **Unit** | **Components** | **(continued)** |  |
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|  |  |  |  |  | **Pressure** | **Relief** | **Devices** |  |  |  |
| **Unit**  **ID No.** | **SOP**  **Index No.** | **Gas/Vapor Service** | **Light Liquid Service** | **EEL** | **EEL**  **ID No.** | **Complying with § 60.482-8** | **Heavy Liquid Service** | **EEL** | **EEL**  **ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 63)

# Federal Operating Permit Program

# Table 8e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sampling** | **Connection** | **Systems** |  |  | **Open-ended** | **Valves or** | **Lines** |  |
| **Unit ID No.** | **SOP**  **Index No.** | **Any Sampling Connection Systems** | **EEL** | **EEL ID No.** | **Complying with**  **§ 60.482-5** | **Any**  **Open-ended**  **Valves or Lines** | **Valves or Lines Containing Asphalt** | **EEL** | **EEL ID No.** | **Complying with**  **§ 60.482-6** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 64)

# Federal Operating Permit Program

# Table 8f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Valves** |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **Compliance with**  **§ 60.483-1** | **Compliance with**  **§ 60.483-2** | **Leakless Phase III Valves** | **EEL** | **EEL ID No.** | **Complying with§ 60.482-7** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 65)

# Federal Operating Permit Program

# Table 8g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** |  | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  |  | **Valves** | **(continued)** |  | **Flanges and** | **Other** | **Connectors** |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with**  **§ 60.482-8** | **Flanges and Other Connectors** | **EEL** | **EEL ID No.** | **Complying**  **with**  **§ 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 66)

# Federal Operating Permit Program

# Table 8h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 67)

# Federal Operating Permit Program

# Table 8i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Enclosed Combustion Device** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 68)

# Federal Operating Permit Program

# Table 8j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGG** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Flare** | **EEL** | **EEL ID No.** | **Complying with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 69)

# Federal Operating Permit Program

# Table 8k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGG: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after January 4, 1983, and on or Before November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGG Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Closed-Vent (or Vapor Collection) Systems** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** | **Title 40 CFR Part 60, Subpart GGG**  **Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 70)

# Federal Operating Permit Program

# Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Equipment Type** | **Non Research and Development/Batch Processes** | **Vacuum Service** | **Less Than 300 Operating Hours** | **Heavy Liquid Service** | **AMEL** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 71)

# Federal Operating Permit Program

# Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |

| **Unit ID No.** | **SOP**  **Index No.** | **Enclosed-Vented**  **Process Unit AMEL** | **Heavy Liquid Service** | **Batch Process AMEL** | **Pressure Test** | **Heavy Liquid Service** | **General AMEL** | AMEL  **ID No.** | **Heavy Liquid Service** | **Units Without An AMEL** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 72)

# Federal Operating Permit Program

# Table 9c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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|  |  | **Title 40 CFR** | **Part 63,** | **Subpart H** | **Fugitive Unit** | **Components** |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pumps** |  | **Compressors** | **Pressure** | **Relief** | **Devices** | **Sampling** | **Connection Systems** |
| **Unit ID. No.** | **SOP**  **Index No.** | **Light Liquid Service** | **Heavy Liquid Service** | **QIP** | **Any** | **Gas/Vapor Service** | **Liquid Service** | **Heavy Liquid Service** | **Any** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 73)

# Federal Operating Permit Program

# Table 9d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

|  |  | **Title 40 CFR** | **Part 63, Part 63,** | **Subpart H** | **Fugitive Unit** | **Components** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Open-Ended** | **Valves or Lines** |  | **Valves** |  |  | **Connectors** |
| **Unit ID. No.** | **SOP Index No.** | **Any** | **Heavy Liquid Service** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** | **QIP** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 74)

# Federal Operating Permit Program

# Table 9e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

|  |  | **Title 40 CFR Part** | **63, Subpart H** | **Fugitive Unit** | **Components** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Agitators** | **Instrumentation** | **Systems** | **Surge Control** | **Vessels or Bottom Receivers** |
| **Unit ID No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** | **Any** | **Heavy Liquid Service** | **Any** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 75)

# Federal Operating Permit Program

# Table 9f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

|  |  |  | **Title 40 CFR** | **Part 63, Subpart** | **H Fugitive Unit** | **Components** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Closed-Vent** | **System** |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Any** | **Recovery or Recapture Devices** | **Control Device ID No.** | **Enclosed Combustion Devices** | Control Device  **ID No.** | **Flares** | Control Device  **ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 76)

# Federal Operating Permit Program

# Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Bypass Lines** | **Unsafe To Inspect** | **Difficult To Inspect** | **Employee Number** | **Title 40 CFR Part 63, Subpart H Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 77)

# Federal Operating Permit Program

# Table 10: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart I: National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No** | **SOP Index No.** | **Process Type** | **Designated HAPs** | **AMEL** | **AMEL ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 78)

# Federal Operating Permit Program

# Table 11a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart F: National Emission Standard for Vinyl Chloride

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

|  |  | **Title 40 CFR** | **Part 61** | **Subpart F** | **Fugitive Unit** | **Components** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Pumps** |  | **Compressors** |  |
| **Unit ID. No.** | **SOP Index No.** | **Relief Valves** | **Loading and Unloading** | **Slip Gauges** | **In process Wastewater Streams** | **Rotating Pumps** | **Reciprocating Pumps** | **Rotating Compressors** | **Reciprocating Compressors** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 79)

# Federal Operating Permit Program

# Table 11b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart F: National Emission Standard for Vinyl Chloride

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

|  |  | **Title 40 CFR** | **Part 61** | **Subpart F** | **Fugitive Unit** | **Components** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Agitator** | **Sampling Equipment** | **Valves** | **Approved Leak**  **Detection Plan** | **Open-ended Valves or Lines** | **Multiple Process**  **Service Line** | **Flare** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 80)

# Federal Operating Permit Program

# Table 11c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

# Subpart F: National Emission Standard for Vinyl Chloride

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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|  |  | **Title 40 CFR** | **Part 61 Subpart** | **F Fugitive Unit** | **Components** |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Enclosed Combustion Device** | **Control Device**  **ID No.** | **Vapor Recovery System** | **Control Device ID No.** | **Title 40 CFR Part 61, Subpart F**  **Fugitive Unit Descriptio**n |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 81)

# Federal Operating Permit Program

# Table 12a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Existing Source** | **Complying With Title 40 CFR Part 60, Subpart VV** | **AMEL** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 82)

# Federal Operating Permit Program

# Table 12b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.:** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Enclosed-Vented Process Unit AMEL** | **Heavy Liquid Service** | **General AMEL** | **Heavy Liquid Service** | **AMEL ID No.** | **Units Without**  **An AMEL** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 83)

# Federal Operating Permit Program

# Table 12c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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|  |  | **Title 40 CFR** | **Part 63, Subpart** | **CC Fugitive** | **Unit** | **Components** | **Complying** | **With MACT H** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Pumps** | **Non-Reciprocating Pumps** | **Compressors** |  | **Pressure Relief** | **Devices** | **Sampling** | **Connection Systems** |
| **Unit ID. No.** | **SOP Index No.** | **Light Liquid Service** | **Heavy Liquid Service** | **Hydrogen Service** | **Not in Hydrogen Service** | **Gas/Vapor Service** | **Liquid Service** | **Any** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 84)

# Federal Operating Permit Program

# Table 12d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |

|  |  |  | **Title 40** | **CFR Part** | **63,** | **Subpart CC** | **Fugitive** | **Unit** | **Components** | **Complying** | **With** | **MACT H** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Open-Ended** | **Valves or Lines** |  | **Valves** |  |  |  |  | **Connectors** |  |  |
| **Unit**  **ID. No.** | **SOP Index No.** | **Any** | **Heavy Liquid Service** | **Gas/Vapor or Light Liquid Service** | **Monitoring Connectors** | **Leakless Phase III Valves** | **Heavy Liquid Service** | **Gas/Vapor or Light Liquid Service** | **Monitoring Valves** | **Subpart H Program** | **Random 200** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 85)

# Federal Operating Permit Program

# Table 12e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |

|  |  | **Title 40 CFR Part 63,** | **Subpart CC Fugitive** | **Unit Components** | **Complying With** | **MACT H** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Instrumentation Systems** |  | **Closed-Vent** | **Systems** |  |
| **Unit ID. No.** | **SOP Index No.** | **Any** | **Heavy Liquid Service** | **Any** | **Recovery or Recapture Devices** | **Control Device ID No.** |
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# ****Fugitive Emission Unit Attributes****

# ****Form OP-UA12 (Page 86)****

# ****Federal Operating Permit Program****

# ****Table 12f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)****

# ****Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries****

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63, Subpart** | **CC Fugitive** | **Unit** | **Components** | **Complying With** | **MACT H** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent** | **Systems** |  |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Enclosed Combustion Devices** | **Control Device ID No.** | **Flares** | **Control Device ID No.** | **Bypass Lines** | **Unsafe to Inspect** | **Difficult to Inspect** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 87)

# Federal Operating Permit Program

# Table 12g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 63,** | **Subpart CC** | **Fugitive Unit** | **Components** | **Complying** | **With NSPS** | **VV** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Any** |  |  |  | **Pumps** |  |  |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Vacuum Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-2** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 88)

# Federal Operating Permit Program

# Table 12h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part63,** | **Subpart CC Fugitive** | **Unit Components** | **Complying With** | **NSPS VV** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Compressors** |  |  |
| **Unit ID. No.** | **SOP Index NO.** | **Hydrogen Service** | **Not in Hydrogen Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-3** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 89)

# Federal Operating Permit Program

# Table 12i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart CC Fugitive** | **Unit Components** | **Complying With** | **NSPS VV** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pressure Relief** | **Devices** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Gas/Vapor Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 90)

# Federal Operating Permit Program

# Table 12j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63,** | **Subpart CC** | **Fugitive Unit** | **Components** | **Complying** | **With NSPS** | **VV** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Pressure Relief** | **Devices** | **(continued)** |  |  |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-8** | **Sampling Connection Systems** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-5** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 91)

# Federal Operating Permit Program

# Table 12k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63,** | **Subpart CC** | **Fugitive Unit** | **Components** | **Complying** | **With NSPS** | **VV** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Valves** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **EEL** | **EEL ID No.** | **Complying with § 60.482-6** | **Gas/Vapor or Light Liquid Service** | **2.0%** | **EEL** | **EEL ID No.** | **Complying with § 60.482-7** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 92)

# Federal Operating Permit Program

# Table 12l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63,** | **Subpart CC** | **Fugitive Unit** | **Components** | **Complying** | **With NSPS** | **VV** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Valves** | **(continued)** |  |  |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy**  **Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** | **Flanges and Other Connectors** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 93)

# Federal Operating Permit Program

# Table 12m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart CC Fugitive** | **Unit Components** | **Complying With** | **NSPS VV** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 94)

# Federal Operating Permit Program

# Table 12n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart CC Fugitive** | **Unit Components** | **Complying With** | **NSPS VV** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID No.** | **SOP Index No.** | **Enclosed Combustion Device** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 95)

# Federal Operating Permit Program

# Table 12o: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part** | **63, Subpart CC** | **Fugitive Unit** | **Components** | **Complying With** | **NSPS VV** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Closed-Vent** | **System and** | **Control Devices** | **(continued)** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Flare** | **Control Device**  **ID No.** | **Closed Vent**  **(or Vapor Collection) Systems** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 96)

# Federal Operating Permit Program

# Table 12p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40** | **CFR Part 63,** | **Subpart** | **CC Fugitive** | **Unit** | **Components** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pressure** | **Relief** | **Devices in** | **Gas/Vapor** | **Service** |  |  |  |  |
| **Unit ID No.** | **SOP**  **Index No.** | **Routing to Control** | **§63.684(j)(5) Exemptions** | **Pilot-Operated PRD** | **Balanced Bellows PRD** | **Control Device Type** | **Control Device**  **ID No.** | **Alternate Parameter Monitoring** | **Continuous Operating Parameter Alternative** | **Alternate**  **ID No.** | **Automated Data Recording** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 97)

# Federal Operating Permit Program

# Table 12q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63,** | **Subpart CC** | **Fugitive Unit** | **Description** |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Pressure** | **Relief** | **Devices in** | **Liquid** | **Service** | **(MACT H)** | **or Light Liquid** | **Service (NSPS VV)** |  |
| **Unit ID No.** | **SOP**  **Index No.** | **§63.684(j)(5) Exemptions** | **Routing to Control** | **Control Device Type** | **Control Device ID No.** | **Alternate Parameter Monitoring** | **Continuous Operating Parameter Alternative** | **Alternate**  **ID No.** | **Automated Data Recording** | **Title 40 CFR Part 63, Subpart CC Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 98)

# Federal Operating Permit Program

# Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **AMEL** | **AMEL ID No.** | **Subject to Another Regulation** | **VHAP Weight Percent** | **< 300 Operating Hours** | **Vacuum Service** | **Sampling Connection Systems** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 99)

# Federal Operating Permit Program

# Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Pumps** | **Design Capacity**  **< 283,000** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-2** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 100)

# Federal Operating Permit Program

# Table 13c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Compressors** | **Reciprocating Compressor**  **in Wet Gas Service** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-3** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 101)

# Federal Operating Permit Program

# Table 13d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.:** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Pressure Relief Devices**  **(In Gas/Vapor Service)** | **Relief Device Monitoring** | **Design Capacity**  **< 283,000** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-4** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 102)

# Federal Operating Permit Program

# Table 13e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.:** | **Regulated Entity No.** |
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|  |  |  |

|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | Pressure Relief Devices  **(In Liquid Service)** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-8** |
|  |  |  |  |  |  |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 103)

# Federal Operating Permit Program

# Table 13f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.:** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive Unit** | **Components** | **(continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-6** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 104)

# Federal Operating Permit Program

# Table 13g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 63, Subpart HH** | **Fugitive Unit** | **Components** | **(continued)** |
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| **Unit ID No.** | **SOP Index No.** | **Valves** | **Design Capacity < 283,000** | **AMEL** | **AMEL ID No.** | Complying with § 61.242-7 |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 105)

# Federal Operating Permit Program

# Table 13h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Flanges and Other Connectors** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-8** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 106)

# Federal Operating Permit Program

# Table 13i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive Unit** | **Components (continued)** |  |
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| **Unit ID No.** | **SOP Index No.** | **Product Accumulator Vessels** | **AMEL** | **AMEL ID No.** | Control Device ID No. |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 107)

# Federal Operating Permit Program

# Table 13j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Vapor Recovery System** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-11(b)** | **Control Device ID No** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 108)

# Federal Operating Permit Program

# Table 13k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Enclosed**  **Combustion Device** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 61.242-11(c)** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 109)

# Federal Operating Permit Program

# Table 13l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components** | **(continued)** |  |
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|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Flare** | **AMEL** | **AMEL ID No.** | **Complying with § 61.242-11(d)** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 110)

# Federal Operating Permit Program

# Table 13m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 63,** | **Subpart HH Fugitive** | **Unit Components (continued)** |  |
|  |  |  | **Closed-Vent Systems** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Complying**  **§ 61.242 11(f)(1)** | **Title 40 CFR Part 63, Subpart HH Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 111)

# Federal Operating Permit Program

# Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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| **Unit ID No.** | **SOP Index No.** | **Equipment Type** | **Vacuum Service** | **Enclosed-Vented Process Unit AMEL** | **Batch Process AMEL** | **Pressure Test** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 112)

# Federal Operating Permit Program

# Table 14b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Pumps in Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.163** | **Compressors** | **AMEL** | **AMEL ID No.** | **Complying with § 63.164** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 113)

# Federal Operating Permit Program

# Table 14c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Pressure Relief Devices in Gas/Vapor Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.165** | **Sampling Connection Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 63.166** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 114)

# Federal Operating Permit Program

# Table 14d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying with § 63.167** | **Valves in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.168** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 115)

# Federal Operating Permit Program

# Table 14e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
|  |  |  |

| **Unit ID No.** | **SOP Index No.** | **Pumps in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Valves in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 116)

# Federal Operating Permit Program

# Table 14f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Connectors in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Agitators in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 117)

# Federal Operating Permit Program

# Table 14g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Instrumentation Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Pressure Relief Devices in Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 118)

# Federal Operating Permit Program

# Table 14h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Surge Control Vessels or Bottoms Receivers** | **§ 63.502(b)(1)-(7) Criteria** | **Vapor Pressure Criteria** | **Compliance**  **with § 63.119(b) or (c)** | **Routed to Process** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 119)

# Federal Operating Permit Program

# Table 14i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Agitators in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.173** | **Connectors in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.174** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 120)

# Federal Operating Permit Program

# Table 14j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Heat Exchange Systems** | **Subpart Compliance** | **Cooling Water Monitored** | **Closed-Vent Systems** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 63.172** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 121)

# Federal Operating Permit Program

# Table 14k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Recovery or Recapture Devices** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 63.172** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 122)

# Federal Operating Permit Program

# Table 14l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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| **Unit ID No.** | **SOP Index No.** | **Enclosed**  **Combustion Devices** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 63.172** | Control Device  **ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 123)

# Federal Operating Permit Program

# Table 14m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart U: National Emission Standard for Hazardous Air Pollutant Emissions: Group I Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Flares** | **AMEL** | **AMEL ID No.** | **Complying with § 63.172** | **Control Device ID No.** | **Title 40 CFR Part 63, Subpart U Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 124)

# Federal Operating Permit Program

# Table 15a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
| --- | --- | --- |
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| **Unit ID No.** | **SOP Index No.** | **Equipment Type** | **Product Produced** | **Process Type** | **Vacuum Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 125)

# Federal Operating Permit Program

# 172BTable 15b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No** | **SOP Index No.** | **Enclosed Vented Process Unit AMEL** | **Batch Process AMEL** | **Pressure Test** | **Heavy Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 126)

# Federal Operating Permit Program

# Table 15c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part** | **63, Subpart** | **JJJ Fugitive** | **Unit Components** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Pumps in Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.163** | **Compressors** | **AMEL** | **AMEL ID No.** | **Complying with § 63.164** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 127)

# Federal Operating Permit Program

# Table 15d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part** | **63, Subpart JJ** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
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| **Unit ID No.** | **SOP Index No.** | **Pressure Relief Devices in Gas/Vapor Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.165** | **Sampling Connection Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 63.166** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 128)

# Federal Operating Permit Program

# Table 15e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part 63,** | **Subpart JJJ** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying with § 63.167** | **Valves in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.168** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 129)

# Federal Operating Permit Program

# Table 15f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part** | **63, Subpart JJJ** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
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| **Unit ID No.** | **SOP Index No.** | **Pumps in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Valves in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 130)

# Federal Operating Permit Program

# Table 15g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part** | **63, Subpart JJJ** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Connectors in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Agitators in Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 131)

# Federal Operating Permit Program

# Table 15h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR** | **Part 63,** | **Subpart JJJ** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Instrumentation Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** | **Pressure Relief Devices in Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.169** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 132)

# Federal Operating Permit Program

# Table 15i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **40 CFR Part 63, Subpart** | **JJJ Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Surge Control Vessels or Bottoms Receivers** | **Vapor Pressure Criteria** | **Compliance with § 63.119(b) or (c)** | **Routed to Process** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 133)

# Federal Operating Permit Program

# Table 15j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **40 CFR Part** | **63, Subpart** | **JJJ Fugitive** | **Unit** | **Components** | **(continued** |  |
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| **Unit ID No.** | **SOP Index No.** | **Agitators in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.173** | **Connectors in Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with § 63.174** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 134)

# Federal Operating Permit Program

# Table 15k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **40 CFR Part 63, Subpart** | **JJJ Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent System and** | **Control Devices** |  |
| **Unit ID. No.** | **SOP Index No.** | **Closed-Vent Systems** | **AMEL** | **AMEL ID No.** | **Complying with § 63.172** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 135)

# Federal Operating Permit Program

# Table 15l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **40 CFR Part 63,** | **Subpart JJJ Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID. No** | **SOP Index No.** | **Recovery or Recapture Devices** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 63.172** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 136)

# Federal Operating Permit Program

# Table 15m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **40 CFR Part 63,** | **Subpart JJJ Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID. No** | **SOP Index No.** | **Enclosed Combustion Devices** | **AMEL** | **AMEL ID No.** | **Complying**  **with § 63.172** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 137)

# Federal Operating Permit Program

# Table 15n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **40 CFR** | **Part 63,** | **Subpart JJJ** | **Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent** | **Systems and** | **Control Devices** | **(continued)** |  |
| **Unit ID No.** | **SOP Index No.** | **Flares** | **AMEL** | AMEL ID No. | **Complying**  **with § 63.172** | Control Device ID No. | **Title 40 CFR Part 63,**  **Subpart JJJ Fugitive**  **Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 138)

# Federal Operating Permit Program

# Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  |  |  | **Title 30 TAC Chapter** | **115 Fugitive Unit** | **Components** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID. No.** | **SOP/GOP**  **Index No.** | **Title 30 TAC § 115.780 Applicable** | Less Than 250  **Components at Site** | **Weight Percent HRVOC** | **Pumps with Shaft Seal System** | **Compressors with Shaft Seal System** | **Agitators with Shaft Seal System** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 139)

# Federal Operating Permit Program

# Table 16b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 30 TAC** | **Chapter 115** | **Fugitive Unit** | **Components** | **(continued)** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP/GOP Index No.** | **Process Drains** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** | **Pressure**  **Relief Valves** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 140)

# Federal Operating Permit Program

# Table 16c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **Chapter 115** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Open-ended Valves or Lines** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** | **Bypass Line Valves** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** |
|  |  |  |  |  |  |  |  |  |  |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 141)

# Federal Operating Permit Program

# Table 16d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30** | **TAC Chapter** | **115 Fugitive** | **Unit** | **Components** | **(continued)** |  |
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| **Unit ID No.** | **SOP Index No.** | **Valves (other than pressure relief, open-ended,**  **and bypass line)** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** | **Flanges or Other Connectors** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 142)

Federal Operating Permit Program

189BTable 16e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

Subchapter H: Fugitive Emissions (HRVOC)

Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30 TAC** | **Chapter 115** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Compressor Seals** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** | **Pump Seals** | **ACR** | **ACR ID No.** | **Complying**  **with § 115.781(b)(9)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 143)

# Federal Operating Permit Program

# Table 16f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 30** | **TAC Chapter** | **115 Fugitive** | **Unit Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP Index No.** | **Agitators** | **ACR** | ACR ID No. | **Complying with § 115.781(b)(9)** | **Heat Exchanger Heads, Sight Glasses, Meters, Gauges, Sampling Connections, Bolted Manways, Hatches, Sump Covers, Junction Box Vents, or Covers and Seals on VOC Water Separators** | **ACR** | **ACR ID No.** | **Complying with § 115.781(b)(9)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 144)

# Federal Operating Permit Program

# Table 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter H: Fugitive Emissions (HRVOC)

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Alternative Work Practice in § 115.358** | **Title 30 TAC § 115.358 Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 145)

# Federal Operating Permit Program

**Table 17a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Produces Chemicals** | **Affected Facility** | Construction/Modification Date | **Compliance Option** | **Design Capacity** | **Facility Type** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 146)

# Federal Operating Permit Program

**Table 17b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part 60,** | **Subpart VVa Fugitive** | **Unit Components** |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Pumps** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-2a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 147)

# Federal Operating Permit Program

# Table 17c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part** | **60, Subpart** | **VVa Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Compressor** |  |  | **Pressure Relief Devices** |
| **Unit ID No.** | **SOP Index No.** | **Compressor** | **EEL** | **EEL ID No.** | **Complying with 60.482-3a** | **Gas/Vapor Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 148)

# Federal Operating Permit Program

# Table 17d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part VVa** | **Fugitive Unit** | **Components** | **(continued)** |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Sampling** | **Connection** | **System** |  |  |  | **Valves** |  |
| **Unit ID No.** | **SOP Index No.** | **Sampling Connection** | **EEL** | **EEL ID No.** | **Complying with 60.482-5a** | **Open-Ended** | **EEL** | **EEL ID No.** | **Complying with 60.482-6a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 149)

# Federal Operating Permit Program

# Table 17e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VVa** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Valves (continued)** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **2.0%** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-7a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 150)

# Federal Operating Permit Program

# Table 17f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart VVa** | **Fugitive Unit** | **Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pumps** |  |  |  |  | **Valves** |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 151)

# Federal Operating Permit Program

# Table 17g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart VVa** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  |  | **Pressure** | **Relief Devices** |  |  | **Connectors** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Heavy or Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 152)

# Federal Operating Permit Program

# Table 17h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VVa Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP Index No.** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10a** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 153)

# Federal Operating Permit Program

# Table 17i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance For Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part** | **60, Subpart VVa** | **Fugitive Unit Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed Vent** | **Systems and** | **Control Devices (continued)** |  |
| **Unit ID No.** | **SOP Index No.** | **Enclosed Combustion Device** | **EEL** | **EEL ID No.** | **Complying With 60.482-10a** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 154)

# Federal Operating Permit Program

# Table 17j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part 60,** | **Subpart VVa Fugitive** | **Unit Components** | **(continued)** |
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|  |  |  | **Control Devices** |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Flare** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10a** | **Control Device ID.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 155)

# Federal Operating Permit Program

# 202BTable 17k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart VVa Fugitive** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Control Devices** |  |  | **Connectors** |
| **Unit ID No.** | **SOP Index No.** | **CVS** | **EEL** | **EEL ID No.** | **Complying**  **with 60.482-10a** | **Gas/Vapor or Light Liquid Service** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 156)

# Federal Operating Permit Program

# Table 17l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry

# for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60, Subpart VVa Fugitive Unit Components (continued)** |
| **Unit ID No.** | **SOP Index No.** | **Title 40 CFR Part 60, Subpart VVa Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 157)

# Federal Operating Permit Program

# Table 18a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Construction/Modification Date** | **Affected Facility Covered by 40 CFR 60 Subparts VVa or KKK** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 158)

# Federal Operating Permit Program

# Table 18b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **GGGa** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  |  |  |  | **Pumps** |  |  |  |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Vacuum Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-2a** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-3a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 159)

# Federal Operating Permit Program

# Table 18c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part** | **60, Subpart GGGa** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  |  |  |  | **Compressors** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Any Compressors** | **Compressors in Hydrogen Service** | **Reciprocating Compressors that became an affected facility under**  **§ 60.14 or § 60.15** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-3a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 160)

# Federal Operating Permit Program

# Table 18d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **GGGa** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  | **Sampling and** | **Connection** | **Systems** |  | **Open-Ended** | **Valves or** | **Lines** |  |  |
| **Unit ID No.** | **SOP**  **Index No.** | **Sampling Connection Systems** | **EEL** | **EEL ID No.** | **Complying with § 60.482-5a** | **Open-ended Valves or Lines** | **Valves or Lines Containing Asphalt** | **EEL** | **EEL ID No.** | **Complying with § 60.482-6a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 161)

# Federal Operating Permit Program

# Table 18e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60, Subpart** | **GGGa Fugitive** | **Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Valves** |  |  |  |
| **Unit ID No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **Alternative Compliance with § 60.483-1a** | **Alternative Compliance with § 60.483-2a** | **Leakless Phase III Valves** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-7a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 162)

# Federal Operating Permit Program

# Table 18f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **GGGa** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  |  | **Valves** | **(continued)** |  |  | **Pressure** | **Relief** | **Devices** |  |
| **Unit ID. No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8a** | **Gas/Vapor Service** | **Light Liquid Service** | **EEL** | **EEL ID No.** | **Complying with § 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 163)

# Federal Operating Permit Program

# Table 18g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart GGGa** | **Fugitive Unit** | **Components** | **(continued)** |  |
|  |  | **Pressure Relief** | **Devices** | **(continued)** |  |  | **Connectors** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-8a** | **Heavy Liquid Service** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 164)

# Federal Operating Permit Program

# Table 18h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR Part** | **60, Subpart GGGa** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  | **Connectors** | **Closed-Vent** | **Systems and** | **Control Devices** |  |  |
| **Unit ID. No.** | **SOP**  **Index No.** | **Gas/Vapor or Light Liquid Service** | **Vapor Recovery System** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10a** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 165)

# Federal Operating Permit Program

# Table 18i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGGa** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Enclosed**  **Combustion Device** | **EEL** | **EEL ID No.** | **Complying**  **with § 60.482-10a** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 166)

# Federal Operating Permit Program

# Table 18j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part** | **60, Subpart GGGa** | **Fugitive Unit** | **Components (continued)** |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Closed-Vent** | **Systems and** | **Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Flare** | **EEL** | **EEL ID No.** | **Complying With § 60.482-10a** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 167)

# Federal Operating Permit Program

# Table 18k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart GGGa Fugitive** | **Unit Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- |
|  |  | **Closed-Vent Systems and** | **Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Closed-Vent (or Vapor Collection) Systems** | **EEL** | **EEL ID No.** | **Complying With § 60.482-10a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 168)

# Federal Operating Permit Program

# Table 18l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart GGGa: Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Title 40 CFR Part 60, Subpart GGGa Fugitive Unit Description** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 169)

# Federal Operating Permit Program

# Table 19a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP/GOP**  **Index No.** | **Construction/Modification**  **Date** | **Centrifugal Compressor** | **Control Option** | **Control Device ID No.** | **Combustion Device Compliance Option** | **Performance Test** | **Bypass Device** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 170)

# Federal Operating Permit Program

# Table 19b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | Construction/Modification Date | **Reciprocating Compressor** | **AMEL** | **Bypass Device** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 171)

# Federal Operating Permit Program

# Table 19c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Construction/Modification Date** | **Pneumatic Controller** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 172)

# Federal Operating Permit Program

# Table 19d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | Construction/Modification Date | **Pneumatic Pump** | **Control Option** | **Control Device ID No.** | **Bypass Device** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 173)

# Federal Operating Permit Program

# Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP/GOP Index No.** | Construction/Modification Date | **Fugitive Component** | **AMEL** | **Subject to Another Regulation** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 174)

# Federal Operating Permit Program

# Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | Title 40 CFR Part | 60, Subpart OOOOa | Fugitive Unit | Components |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Pumps |  |  |
| Unit ID No. | **SOP/GOP**  Index No. | Any Vacuum Service | Light Liquid Service | **Design Capacity**  < 10MM | AMEL | AMEL ID No. | Complying  with 60.482-2a |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 175)

# Federal Operating Permit Program

# Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOOa** | **Fugitive Unit Components** |  |
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|  |  |  | **Pressure Relief Devices** |  |  |
| **Unit ID. No.** | **SOP/GOP Index No.** | **Gas/Vapor Service** | **Design Capacity < 10MM** | **AMEL** | **Complying**  **with 60.482-4a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 176)

# Federal Operating Permit Program

# Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part60,** | **Subpart OOOOa Fugitive** | **Unit Components** | **(continued)** |
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|  |  |  | **Valves** |  |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Open-Ended** | **AMEL** | **AMEL ID No.** | **Complying**  **with 60.482-6a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 177)

# Federal Operating Permit Program

# Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40CFR Part** | **60, Subpart** | **OOOOa Fugitives** | **Unit Components** | **(continued)** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Valves** |  |  |  |
| **Unit ID. No.** | **SOP/GOP**  **Index No.** | **Gas/Vapor or Light Liquid Service** | **Design Capacity**  **< 10MM** | **2.0%** | **AMEL** | **AMEL ID No.** | **Complying**  **with 60.482-7a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 178)

# Federal Operating Permit Program

# Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart OOOOa** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Pumps** |  |  |  | **Valves** |  |
| **Unit ID. No.** | **SOP/GOP Index No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 179)

# Federal Operating Permit Program

# Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart OOOOa** | **Fugitive Unit** | **Components** | **(continued)** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pressure** | **Relief Devices** |  |  | **Connectors** |  |  |
| **Unit ID. No.** | **SOP/GOP Index No.** | **Heavy or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 180)

# Federal Operating Permit Program

# Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOOa** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP/GOP Index No.** | **Vapor Recovery System** | **AMEL** | **AMEL ID No.** | **Complying**  **with 60.482-10a** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 181)

# Federal Operating Permit Program

# Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOOa** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Closed-Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID. No.** | **SOP/GOP Index No.** | **Enclosed Combustion Device** | **AMEL** | **AMEL ID No.** | **Complying**  **with 60.482-10a** | **Control Device ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 182)

# Federal Operating Permit Program

# Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part | 60, Subpart OOOOa | Fugitive Unit | Components | (continued) |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Control Devices |  |  |
| Unit ID. No. | SOP/GOP Index No. | Flare | AMEL | AMEL ID No. | Complying  with 60.482-10a | Control Device ID No. |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 183)

# Federal Operating Permit Program

# Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40** | **CFR Part 60,** | **Subpart** | **OOOOa** | **Fugitive** | **Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Control** | **Devices** |  |  | **Connectors** |  |  |  |
| **Unit ID. No.** | **SOP/GOP Index No** | **CVS** | **AMEL** | **AMEL ID No.** | Complying with  **60.482-10a** | **Gas/Vapor or Light Liquid Service** | **Design Capacity < 10MM** | **AMEL** | **AMEL ID No.** | Complying with  **60.482-11a** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 184)

# Federal Operating Permit Program

# Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued) |
| --- | --- | --- |
| Unit ID. No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 185)

# Federal Operating Permit Program

# Table 20a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

# Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Construction/ Modification Date** | **Centrifugal Compressor** | **Control Option** | **Control Device ID No.** | **Combustion Device Compliance Option** | **Performance Test** | **Bypass Device** |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 186)

Federal Operating Permit Program

Table 20b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015

Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP/GOP Index No.** | Construction/  **Modification Date** | **Reciprocating Compressor** | **Bypass Device** |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 187)

Federal Operating Permit Program

Table 20c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015

Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | Construction/  **Modification Date** | **Pneumatic Controller** |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 188)

Federal Operating Permit Program

Table 20d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015

Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Subject to Another Subpart** | **Construction/Modification Date** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 189)**

**Federal Operating Permit Program**

**Table 20e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart OOOO** | **Fugitive Unit** | **Components** |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Pumps** |  |  |
| **Unit ID No.** | **SOP/GOP**  **Index No.** | **Any Vacuum Service** | **Light Liquid Service** | **Design Capacity < 10MM** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-2a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 190)**

**Federal Operating Permit Program**

**Table 20f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOO** | **Fugitive Unit** | **Components** |  |
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|  |  | **Pressure Relief** | **Devices** |  |  |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Gas/Vapor Service** | **Design Capacity < 10MM** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-4a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 191)**

**Federal Operating Permit Program**

**Table 20g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOO** | **Fugitive Unit** | **Components (continued)** |
| --- | --- | --- | --- | --- | --- |
| **Unit ID No.** | **SOP/GOP Index No.** | **Open-ended Valves or Lines** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-6a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 192)**

**Federal Operating Permit Program**

**Table 20h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60,** | **Subpart OOOO** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Valves** |  |  |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Gas/Vapor or Light Liquid Service** | **Design Capacity < 10MM** | **2.0%** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-7a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 193)**

**Federal Operating Permit Program**

**Table 20i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40 CFR** | **Part 60,** | **Subpart** | **OOOO** | **Fugitive Unit** | **Components** | **(continued)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Pumps** | **(Continued)** |  |  | **Valves** | **(continued)** |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 194)**

**Federal Operating Permit Program**

**Table 20j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Pressure Relief** | **Devices** | **(continued)** |  |  | **Connectors** |  |  |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Heavy or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-8a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 195)**

**Federal Operating Permit Program**

**Table 20k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOO P** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  |  | **Closed Vent Systems** | **and Control Devices** |  |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Vapor Recovery System** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-10a** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 196)**

**Federal Operating Permit Program**

**Table 20l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60,** | **Subpart OOOO** | **Fugitive Unit** | **Components** | **(continued)** |
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|  |  |  | **Closed Vent Systems** | **and Control Devices** | **(continued)** |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Enclosed Combustion Device** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-10a** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 197)**

**Federal Operating Permit Program**

**Table 20m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR** | **Part 60, Subpart** | **OOOO Fugitive** | **Unit Components** | **(continued)** |
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|  |  |  | **Closed Vent Systems** | **and Control Devices** | **Control Devices** |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **Flare** | **AMEL** | **AMEL ID No.** | **Complying with 60.482-10a** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 198)**

**Federal Operating Permit Program**

**Table 20n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  |  | **Title 40** | **CFR Part 60,** | **Subpart** | **OOOO** | **Fugitive Unit** | **Components** | **(continued)** |  |
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|  |  | **Control** | **Devices** | **(continued)** |  |  |  | **Connectors** |  |  |
| **Unit ID No.** | **SOP/GOP Index No.** | **CVS** | **AMEL** | **AMEL**  **ID No.** | **Complying with**  **60.482-10a** | **Gas/Vapor or Light Liquid Service** | **Design Capacity < 10MM** | **AMEL** | **AMEL**  **ID No.** | **Complying with**  **60.482-11a** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 199)**

**Federal Operating Permit Program**

**Table 20o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011 and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued)** |
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| **Unit ID No.** | **SOP/GOP Index No.** | **Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Description** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 200)**

**Federal Operating Permit Program**

**Table 21a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Means of Compliance** | **AMOC-GGGGG**  **ID No.** | **AMEL-UU ID No.** | **Heavy Liquid Service** | **UU Units Without an AMEL** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 201)**

**Federal Operating Permit Program**

**Table 21b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  |  |  | **Pumps** |  |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Light Liquid Service** | **Dual Mechanical Seal System** | **No Externally Actuated Shaft** | **Routed to Process or Fuel Gas System or Equipped CVS** | **AMEL** | **AMEL ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 202)**

**Federal Operating Permit Program**

**Table 21c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Pumps** | **(Continued)** |  |  | **Compressors** |  |
| **Unit ID. No.** | **SOP Index No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Any** | **Leakage Capture and Transport** | **Instrument Reading <500 ppm** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 203)**

**Federal Operating Permit Program**

**Table 21d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Compressors** | **(Continued)** |  | **Pressure Relief** | **Device** |  |
| **Unit ID. No.** | **SOP Index No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Gas/Vapor Service** | **Equipped Rupture Disk** | **Routed to Process or Fuel Gas System or Equipped CVS** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 204)**

**Federal Operating Permit Program**

**Table 21e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |  |
|  |  |  | **Pressure Relief** | **Devices** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Liquid Service** | **AMEL** | **AMEL ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 205)**

**Federal Operating Permit Program**

**Table 21f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Sampling** | **Connection** | **Systems** |  | **Open-ended Valves** | **or Lines** |
| **Unit ID. No.** | **SOP Index No.** | **Any** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Any** | **Heavy Liquid Service** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Open-ended Valves** | **or Lines (Continued)** |  | **Valves** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Heavy Liquid Service** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 207)**

**Federal Operating Permit Program**

**Table 21h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Valves** | **(Continued)** |  | **Connectors** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Gas/Vapor or Light Liquid Service** | **AMEL** | **AMEL ID No.** | **Heavy Liquid Service** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Connectors** | **(Continued)** |  | **Agitators** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Gas/Vapor or Light Liquid Service** | **Dual Mechanical Seal System** | **No Externally Actuated Shaft** | **Routed to Process or Fuel Gas System or Equipped CVS** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 209)**

**Federal Operating Permit Program**

**Table 21j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |  |
|  |  |  | **Agitators** | **(Continued)** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **AMEL** | **AMEL ID No.** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 210)**

**Federal Operating Permit Program**

**Table 21k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |
|  |  |  | **Instrumentation** | **Systems** |  | **Closed Vent Systems** |
| **Unit ID. No.** | **SOP Index No.** | **Any** | **Heavy Liquid Service** | **AMEL** | **AMEL ID No.** | **Fuel Gas System or Process** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Non-flare 95% Efficiency** | **Control Device**  **ID No.** | **Non-flare 20 ppmv** | **Control Device**  **ID No.** | **Combustion 95% Efficiency** | **Control Device**  **ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 212)**

**Federal Operating Permit Program**

**Table 21m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Combustion 20 ppmv** | **Control Device ID No.** | **Residence Time 0.5s Min. 760ºC** | **Control Device ID No.** | **Flare** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 213)**

**Federal Operating Permit Program**

**Table 21n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **63GGGGG-Regen. CAS** | **Control Device ID No.** | **63GGGGG-Non-Regen. CAS** | **Control Device ID No.** | **63GGGGG-Condenser** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 214)**

**Federal Operating Permit Program**

**Table 21o: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |
|  |  | **Closed Vent Systems and** | **Control Devices (CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **63GGGGG-Thermal Incinerator** | **Control Device ID No.** | **63GGGGG-Catalytic Incinerator** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 215)**

**Federal Operating Permit Program**

**Table 21p: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |
|  |  | **Closed Vent Systems and** | **Control Devices (CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **63GGGGG-Boiler or Process Heater** | **Control Device ID No.** | **63GGGGG-Flare** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21q: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Enc.-Vent. Process Unit AMEL-UU** | **Enc.-Vent. Process Unit AMEL-UU ID No.** | **Negative Pressure** | **Bypass Device** | **Flare Compliance** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 217)**

**Federal Operating Permit Program**

**Table 21r: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Enc.-Vent. Process Unit AMEL-TT** | **Enc.-Vent. Process Unit AMEL-TT ID No.** | **General AMEL-TT** | **General AMEL-TT ID No.** | **TT Units Without an AMEL** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 218)**

**Federal Operating Permit Program**

**Table 21s: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |  |
|  |  |  | **Pumps** |  |  | **Compressors** |
| **Unit ID. No.** | **SOP Index No.** | **Light Liquid Service** | **Handling Polymerizing Monomers** | **In Food or Medical Service** | **Heavy Liquid Service** | **Any** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 219)**

**Federal Operating Permit Program**

**Table 21t: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Pressure Relief** | **Devices** | **Sampling Connection Sys.** | **Open**-**Ended Valves** | **Valves** |  |
| **Unit ID. No.** | **SOP Index No.** | **Gas/Vapor Service** | **Liquid Service** | **Any** | **Any** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 220)**

**Federal Operating Permit Program**

**Table 21u: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Connectors** |  | **Agitators** |  | **Instrumentation Systems** | **Closed Vent Systems** |
| **Unit ID. No.** | **SOP Index No.** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** | **Gas/Vapor or Light Liquid Service** | **Heavy Liquid Service** | **Any** | **Fuel Gas System or Process** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21v: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** |  |  |
| **Unit ID. No.** | **SOP Index No.** | **Non-flare 95% Efficiency** | **Control Device ID No.** | **Non-flare 20 ppmv** | **Control Device ID No.** | **Enclosed Combustion Device** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21w: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **Flare** | **Control Device ID No.** | **63GGGGG-Regen. CAS** | **Control Device ID No.** | **63GGGGG-Non-Regen. CAS** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21x: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR | Part 63, Subpart | GGGGG | Equipment Leak | Components |  |
|  |  | **Closed Vent** | **Systems and** | **Control Devices** | **(CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **63GGGGG-Condenser** | **Control Device ID No.** | **63GGGGG-Thermal Incinerator** | **Control Device ID No.** | **63GGGGG-Catalytic Incinerator** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21y: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | Title 40 CFR Part 63, | Subpart GGGGG | Equipment Leak | Components |
|  |  | **Closed Vent Systems and** | **Control Devices (CVSCD)** | **(Continued)** |  |
| **Unit ID. No.** | **SOP Index No.** | **63GGGGG-Boiler or Process Heater** | **Control Device ID No.** | **63GGGGG-Flare** | **Control Device ID No.** |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 21z: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation**

**Texas Commission on Environmental Quality**

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Negative Pressure** | **Bypass Device** | **Flare Compliance** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 226)

# Federal Operating Permit Program

# Table 21aa: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

# Subpart GGGGG: National Emission Standards for Hazardous Air Pollutants: Site Remediation

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Alternative Work Practice Standards** | **Work Practice Standards ID No.** | **Design Evaluation** | **Bypass Device** | **Continuous Emissions Monitoring System** | **CVSCD Continuous Compliance** |
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# Fugitive Emission Unit Attributes

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# Federal Operating Permit Program

# Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Compressor Type** | **ACR** | **ACR ID No.** |
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# Fugitive Emission Unit Attributes

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# Federal Operating Permit Program

# Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Control Option** | **Control Device** | **Control Device ID No.** | **Bypass Device** | **Unsafe to Monitor** | **Difficult to Monitor** |
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# Fugitive Emission Unit Attributes

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# Federal Operating Permit Program

# Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Pneumatic Facility Type** | **ACR** | **ACR ID No.** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 230)

# Federal Operating Permit Program

# Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Control Device** | **Control Device ID No.** | **Bypass Device** | **Unsafe to Monitor** | **Difficult to Monitor** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 231)

# Federal Operating Permit Program

# Table 22e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID. No.** | **SOP Index No.** | **Fugitive Component** | **Components Utilizing Alternative Work Practice in § 115.358** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 232)

# Federal Operating Permit Program

# Table 22f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit** | **Components** |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit ID. No.** | **SOP Index No.** | **Pumps in Light Liquid VOC Service** | **ACR** | **ACR ID No.** | **Polymerizing Monomer** | **Not Polymerizing Monomer** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 233)

# Federal Operating Permit Program

# Table 22g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Pumps in Heavy Liquid VOC Service** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 234)

# Federal Operating Permit Program

# Table 22h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Valves** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 235)

# Federal Operating Permit Program

# Table 22i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Flanges** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 236)

# Federal Operating Permit Program

# Table 22j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Connectors** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 237)

# Federal Operating Permit Program

# Table 22k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Pressure Relief Devices** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 238)

# Federal Operating Permit Program

# Table 22l: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Sampling Connections** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 239)

# Federal Operating Permit Program

# Table 22m: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Process Drains** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 240)

# Federal Operating Permit Program

# Table 22n: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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|  |  | **30 TAC** | **§ 115.177** | **Fugitive Unit Components** | **(continued)** |
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| **Unit ID. No.** | **SOP Index No.** | **Compressors** | **ACR** | **ACR ID No.** | **Complying with § 115.177(b)(1)** |
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# Fugitive Emission Unit Attributes

# Form OP-UA12 (Page 241)

# Federal Operating Permit Program

# Table 22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

# Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

# Texas Commission on Environmental Quality

| **Date** | **Permit No.** | **Regulated Entity No.** |
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| **Unit ID No.** | **SOP Index No.** | **Title 30 TAC § 115.177 Fugitive Unit Description** |
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