Below is a flowchart describing 40 CFR Part 63, Subpart HH. It will likely not be accessible using a screen reader. For the text of the statute/rule, please go to 40 CFR Part 63, Subpart HH

(1 of 54)

Last Modified: February 20, 2018      From 40 CFR Part 63, Subpart HH, Amended August 16, 2012
These flowcharts are for use by sources subject to the Texas Federal Operating Permits Program only and are subject to change.   layered
Comply with the following:

Standard
- §63.777(a)
- §63.764(a), (j)
- §63.777(b)

Recordkeeping
- [G]§63.774(b)(1), (b)(2), (g)

Reporting
- §63.764(b)
- §63.764(b)
- §63.777(c)

End

1

Is the facility using an alternative means of compliance?

- Yes
  - §63.777(a)

- No

2

Is the facility a major source of HAPs?

- Yes
  - §63.760(b)(1)

- No

3

Is the emission source a glycol dehydrator?

- Yes
  - §63.760(b)(1)(i)

- No

A1

4

Is the vessel subject to NSPS Kb, MACT G, or MACT CC?

- Yes
  - §63.766(d)

- No

5

Is the vessel subject to NSPS OOOO?

- Yes
  - §63.766(d)

- No

End

Comply with the following:

Standard
- §63.766(d)

Reporting
- §63.766(d)
- §63.775(e), (e)(1)-(2), (e)(2)(i)-(ii)
- §63.775(e)(2)(ii)(A)-(F), (e)(2)(xiv)
- [G]§63.775(f), (g)(2)

MACT Subpart HH does not apply

End
Comply with the following:
Standard
§63.766(b)(2)
§63.764(a), (j)
Monitoring/Testing
[G]§63.772(c)
Recordkeeping
[G]§63.774(b)(1), (b)(2), (g)
Reporting
§63.764(b)
§63.775(b)(1), (b)(4)-(6), (d)
§63.775(d)(7), (d)(10), (e)(1), (e)(2)(xiv)
[G]§63.775(f), (g)(2)

End

Comply with the following:
Standard
§63.766(b)(3)
§63.764(a), (j)
§63.771(c)
[G]§63.773(c)(3), (c)(4)
Monitoring/Testing
[G]§63.772(c)
Recordkeeping
[G]§63.774(b)(1), (b)(2), (g)
Reporting
§63.775(b)(1), (b)(4), (d)
§63.775(d)(7), (d)(10), (e)(12), (e)
§63.775(e)(1), (e)(2)(iii), (e)(2)(xiv)
[G]§63.775(f), (g)(2)

Comply with the following:
Standard
§63.766(b)(1)
§63.764(a), (j)
[G]§63.771(b), (c)(1), (c)(2)
§63.771(d)(1), (d)(4)(i)
[G]§63.773(c)(3), (c)(4)
Monitoring/Testing
§63.771(d)(3)
[G]§63.772(c), (e)
§63.773(d)(6), (d)(6)(i), (d)(6)(iv), (d)(7)
Recordkeeping
[G]§63.774(b)(1), (b)(2), (b)(4), (g)
Reporting
§63.764(b)
[G]§63.775(b)(1), (b)(2)-(6), (d)
§63.775(d)(6)-(7), (d)(10), (d)(12), (e)
§63.775(e)(1), (e)(2)(xi), [G](f), (g)(1)
Is the process vent connected to a process natural gas line?

No → §63.765(c)(1)

Yes →

Comply with the following:
Standard §63.765(c)(1)
§63.764(a), (j)
§63.765(c)(3)
Recordkeeping
[G]§63.774(b)(1), (b)(2), (g)
Reporting
§63.764(b)
§63.775(b)(5)-(6), (d)(7)
§63.775(d)(10), (e)(1), [G](f)

Is the unit a TEG unit located at an area source of HAPs and located within an UA plus offset and UC boundary?

No →

Comply with the following:
Reporting
[G]§63.775(b)(1), (b)(4), (e)(2)
§63.775(e)(2)(i)-(ii), (e)(2)(ii)(A)-(F)
§63.775(e)(2)(xiv)

Yes →

Comply with the following:
Reporting
§63.775(e)(3), (e)(3)(i)-(iii)

End
Is the unit a small glycol dehydration unit as defined in §63.761?

Yes → §63.765(c)(2)

No → §63.765(b)(1)(iii)

Are HAP emissions reduced by 95% as specified in §63.765(c)(2)?

Yes → §63.765(c)(2)

No → 6

Comply with the following:
Standard
§63.771(c)(1), (c)(2)
§63.771(d)(1), (d)(4)(i), (e)(3)(ii)
[G]§63.773(c)(3), (c)(4)
Monitoring/Testing
§63.772(e)
§63.773(d)(6), (d)(6)(i), (d)(6)(iv)
§63.773(d)(7)
Recordkeeping
§63.774(b)(4)

Is the unit a TEG unit located at an area source of HAPs and located within an UA plus offset and UC boundary?

Yes → 8

No → §63.775(e)(3)

Comply with the following:
Reporting
[G]§63.775(b)(1), (b)(2)-(4)

Is the reduction the result of process modifications only?

Yes → §63.771(e)(3)

No → Comply with the following:
Standard
§63.765(c)(2)
§63.765(b)(1)(ii)
§63.771(d)(3)
Monitoring/Testing
§63.771(e)(1)-(2), (e)(3)(i)
[G]§63.774(b)(1), (b)(2)
§63.774(b)(10)-(11), (g)
Recordkeeping
§63.764(b)
§63.775(b)(5)-(6), (d), (d)(6)-(7)
§63.775(d)(10)-(11), (e), (e)(1)
§63.775(e)(2)(ix), (e)(2)(xi), [G][f]
§63.775(g)(1)

End

Comply with the following:
Report
§63.775(e)(3), (e)(3)(i)-(iii)
Does the glycol dehydrator control device reduce benzene emissions to < 0.90 Mg/yr?

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**Comply with the following: Standard**

- §63.765(b)(1)(i)
- §63.764(a), (j)
- §63.765(b)(2), (c)(3)
- §63.771(c)(1), (c)(2), (d)(1), (d)(4)(i)
- [G]§63.773(c)(3), (c)(4)
  - Monitoring/Testing
    - §63.771(d)(3)
    - [G]§63.772(c), (e)
  - §63.773(d)(6), (d)(6)(i), (d)(6)(iv), (d)(7)
  - Recordkeeping
    - [G]§63.774(b)(1), (b)(2), (b)(4), (g)
    - Reporting
      - §63.764(b)
      - §63.775(d), (d)(6)-(7), (d)(10)
      - §63.775(e), (e)(1), (e)(2)(xi), [G](f)
      - §63.775(g)(1)

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**Comply with the following: Standard**

- §63.765(b)(1)(ii)
- §63.764(a), (j)
- §63.765(b)(2), (c)(3)
- §63.771(c)(1), (c)(2), (d)(1), (d)(4)(i)
- [G]§63.773(c)(3), (c)(4)
  - Monitoring/Testing
    - §63.771(d)(3)
    - [G]§63.772(c), (e)
  - §63.773(d)(6), (d)(6)(i), (d)(6)(iv), (d)(7)
  - Recordkeeping
    - [G]§63.774(b)(1), (b)(2), (b)(4)
    - [G]§63.774(c), (g)
    - Reporting
      - §63.764(b)
      - §63.775(d), (d)(6)-(8), (d)(10), (e)
      - §63.775(e)(1), (e)(2)(vi), (e)(2)(xi)
      - [G]§63.775(f), (g)(1)
Comply with the following:

Is the unit a TEG dehydration unit located at an area source within an UA plus offset and UC boundary (as defined in §63.761)?

- Yes: Comply with the following:
  - Monitoring/Testing
    - §63.775(c)(3)
  - Reporting
    - §63.775(c), (c)(1)-(6)
    - §63.775(e)(3), (e)(3)(i)-(iii)

- No: Comply with the following:
  - Reporting
    - [G]§63.775(b)(1), (b)(2)-(6)
Does the closed vent system contain one or more bypass devices?

Yes

Comply with the following:
Standard §63.771(c)(3)(i)-(ii)
Recordkeeping §63.774(b)(4)(iii)-(iv)
Reporting §63.775(e)(2)(v), (e)(2)(xiv)

No

Comply with the following:
Standard §63.773(c)(2)(iv)
Monitoring/Testing §63.771(c)(3)(i)(B)
§63.773(c)(2)(iv)(B)
§63.773(d)(6)(v), (d)(6)(v)(B)

Is there a flow indicator installed at the inlet to the bypass duct that could divert the stream away from the control device to the atmosphere?

Yes

Comply with the following:
Standard §63.771(c)(3)(i)(A)
§63.773(c)(2)(iv)(A)

No

Comply with the following:
Standard §63.773(c)(2)(iv), (c)(2)(iv)(A)
Monitoring/Testing §63.771(c)(3)(i)(A)
§63.773(c)(2)(iv)(A)
§63.773(d)(6)(v), (d)(6)(v)(A)

Does the closed-vent system contain joints, seams or other connections that are permanently or semi-permanently sealed?

Yes

Comply with the following:
Monitoring/Testing [G]§63.773(c)(2)(i)-(ii)
Reporting [G]§63.773(c)(2)(i)-(ii)

No

Comply with the following:
Monitoring/Testing [G]§63.773(c)(2)(ii)
Reporting [G]§63.773(c)(2)(ii)
Are any of the components in the closed vent system difficult to inspect as specified in §63.773(c)(6)(i)-(ii)?

Comply with the following:
Recordkeeping §63.774(b)(6)

Are any of the components in the closed vent system unsafe to inspect as specified in §63.773(c)(5)(i)-(ii)?

Comply with the following:
Standard [G]§63.773(c)(5)
Recordkeeping §63.774(b)(5)

Is the control device an enclosed combustion device?

Comply with the following:
Recordkeeping §63.774(b)(7), (b)(7)(i)-(viii)
§63.774(b)(8)
Reporting §63.775(e)(2)(iii)

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Is the affected source a large glycol dehydrator and are benzene emissions from the closed-vent system and control device reduced to a level less than 0.90 megagrams per year?

§63.765(b)(1)(ii)

No

Does the control device reduce TOC or HAP by ≥ 95%?

§63.771(d)(1)(i)(A)

No

Does the control device reduce TOC or HAP to ≤ 20 ppm?

§63.771(d)(1)(i)(B)

No

Comply with the following:
Standard
§63.771(d)(1)(i)(C)

Yes

Comply with the following:
Standard
§63.771(d)(1)(i)(A)

Yes

Comply with the following:
Standard
§63.771(d)(1)(i)(B)
Does the boiler or process heater have a design heat input $> 44$ megawatts?

§63.772(e)(1)(ii)

No

Is the control device a boiler or process heater?

Yes

§63.771(d)(1)(i)(D)

Comply with the following:
Standard §63.771(d)(1)(i)(D)

End

No

Is the control device a boiler or process heater?

§63.771(d)(1)(i)(D)

Yes

Does the boiler or process heater have a design heat input $\geq 44$ megawatts?

§63.772(e)(1)(ii)

No

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11
Is the vent stream introduced with the primary fuel or used as the primary fuel?

No: §63.772(e)(1)(iii)

Yes: §63.772(e)(1)(vi)

Was a performance test conducted for the control device for another EPA regulation using the same methods specified in §63.772?

No: §63.772(e)

Yes: §63.772(e)(1)(vi)

Does the boiler or process heater burning hazardous waste meet the additional requirements specified by §63.772(e)(1)(iv)?

No: §63.772(e)(1)(iv)

Yes: §63.772(e)(1)(iv)
Was a performance test conducted for the catalytic incinerator for another EPA regulation using the same methods specified in §63.772?

Was as performance test conducted by the manufacturer?

Comply with the following:
- Monitoring/Testing
  - §63.772(e)(1)(vi)
- Recordkeeping
  - §63.774(b)(4)(ii)(C), [G][h], (i)
- Reporting
  - [G]§63.772(h)(8)
  - §63.775(d)(13), [G][d](14)
  - §63.775(e)(2)(ii)(E)-(F), (e)(2)(xiii)

Comply with the following:
- Monitoring/Testing
  - [G]§63.772(e)(3)
- End
Is the control device a vapor recovery device? 
§63.771(d)(1)(ii)

Yes

Is the affected source a large glycol dehydrator and are benzene emissions from the closed-vent system and control device reduced to a level < 0.90 megagrams per year? 
§63.765(b)(1)(ii)

No

Comply with the following: 
Standard
§63.771(d)(1)(ii)
Monitoring/Testing
[G]§63.772(f)

Yes

Is the vapor recovery device a condenser? 
§63.772(e)(4)(i)(D)

No

Comply with the following: 
Monitoring/Testing
[G]§63.773(d)(1), (d)(3), (d)(3)(i)(E)
§63.773(d)(3)(ii)-(iii), (d)(4), [G](d)(5)(ii)
Recordkeeping
[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)(B)
Reporting
[G]§63.775(d)(1), [G](d)(5)
§63.775(e)(2), (e)(2)(i), (e)(2)(ii)
§63.775(e)(2)(ii)(A)-(D)
[G]§63.775(e)(2)(vii), (e)(2)(viii)

Yes

Is the mass content of either TOC or total HAP in the gases vented to the condenser reduced by 95.0 percent by weight or greater? 
§63.773(d)(6)(ii)
§63.771(d)(1)(ii)

No
§63.772(e)(1)(vi) Comply with the following:

Monitoring/Testing

§63.772(e)(3)

Reporting

§63.775(d)(4)

End

§63.765(b)(1)(ii) Comply with the following:

Was a performance test conducted on this facility?

Yes

No

§63.772(e)(1)(vi) Comply with the following:

Was a performance test conducted for the condenser for another EPA regulation using the same methods specified in §63.772?

Yes

End

No

§63.772(e)(5) Comply with the following:

Was an alternative to performance testing and design analysis conducted on this facility using GRI-GLYCac™ as specified in §63.772(e)(5)?

Yes

Comply with the following:

Monitoring/Testing

§63.772(e)(5)

No

Was a performance test conducted on this facility?

Yes

Comply with the following:

Monitoring/Testing

§63.772(e)(3)

Reporting

[G]§63.775(d)(4)

Comply with the following:

Monitoring/Testing

§63.772(e)(4)(i)-(ii)

No

End
Is the vapor recovery device a regenerable carbon adsorption system?

Yes

§63.772(e)(4)(i)(E)

Comply with the following:
Monitoring/Testing
[G]§63.773(d)(1), (d)(3), [G](d)(3)(i)(F)
§63.773(d)(3)(ii)-(iii), (d)(4), [G](d)(5)(i)
§63.773(d)(6)(ii)-(iii)
Recordkeeping
[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)
§63.774(b)(7)(ix)
Reporting
[G]§63.775(d)(1), [G](d)(5)
§63.775(e)(2), (e)(2)(i), (e)(2)(ii)
§63.775(e)(2)(ii)(A), (e)(2)(ii)(D)
[G]§63.775(e)(2)(vii), (e)(2)(viii), (e)(2)(xii)

Was a performance test conducted for the carbon adsorption system for another EPA regulation using the same methods specified in §63.772?

Yes

§63.772(e)(1)(vi)

No

Comply with the following:
Monitoring/Testing
[G]§63.772(e)(3)
Reporting
[G]§63.775(d)(4)

End
Comply with the following:
Standard
[G][§63.771(d)(5)]
Monitoring/Testing
[G][§63.773(d)(1), (d)(3), (d)(3)(i)(G)]
§63.773(d)(3)(ii)-(iii), (d)(4), [G](d)(5)(i)
§63.773(d)(6)(ii)-(iii)
Recordkeeping
[G][§63.774(b)(3), (b)(4)(i), (b)(4)(ii)]
§63.774(b)(7)(ix)
Reporting
[G][§63.775(d)(1), [G](d)(5), (e)(2)]
§63.775(e)(2)(i)-(ii), (e)(2)(ii)(A), (e)(2)(ii)(D)
[G][§63.775(e)(2)(vii), (e)(2)(viii), (e)(2)(xii)]

Was a performance test conducted for the nonregenerable carbon adsorption system for another EPA regulation using the same methods specified in §63.772?

Yes

Comply with the following:
Monitoring/Testing
[T][G][§63.772(e)(3)]
Reporting
[G][§63.775(d)(4)]

End

Comply with the following:
Standard
§63.11(b)
§63.771(d)(1)(iii)
Monitoring/Testing
§63.772(e)(2)
§63.773(d)(3), (d)(3)(i)(C), (d)(3)(iii)
Recordkeeping
[G][§63.774(b)(3), (b)(4)(i), (b)(4)(ii)(A), [G](e)
Reporting
[G][§63.775(d)(2), (e)(2), (e)(2)(i), (e)(2)(ii)
§63.775(e)(2)(ii)(A), (e)(2)(ii)(D)
[G][§63.775(e)(2)(vii), (e)(2)(viii), (e)(2)(x)]

End
Comply with the following:
Standard
§63.771(c)(3)(i)-(ii)
Reporting
§63.775(e)(2)(v)

Does the closed vent system contain one or more bypass devices?

Yes

Comply with the following:
Standard
§63.771(c)(3)(i)
§63.773(c)(2)(iv)

No

Comply with the following:
Standard
§63.773(c)(2)(iv)
Monitoring/Testing
§63.771(c)(3)(i)(B)
§63.7773(c)(2)(iv)(B)
§63.7773(d)(6)(v), (d)(6)(v)(B)

Yes

Is there a flow indicator installed at the inlet to the bypass device?

No

Comply with the following:
Recordkeeping
§63.774(b)(4)(iii)-(iv)
Reporting
§63.775(e)(2)(iii)
§63.766(b)(3)

Yes

Is the vessel connected to a process natural gas line?

No

Comply with the following:
Recordkeeping
§63.774(b)(4)(iii)-(iv)
Reporting
§63.775(e)(2)(iii)

Yes

Comply with the following:
Standard
§63.773(c)(2)(iv), (c)(2)(iv)(A)
Monitoring/Testing
§63.771(c)(3)(i)(A)
§63.7773(c)(2)(iv)(A)
§63.7773(d)(6)(v), (d)(6)(v)(A)
Are any of the components in the closed vent system or cover unsafe to inspect as specified in §63.773(c)(5)(i)-(ii)?

Yes: Comply with the following:
- Standard [G]§63.773(c)(5)
- Recordkeeping §63.774(b)(5)

No: §63.773(c)(5)

Are any of the components in the closed vent system or cover difficult to inspect as specified in §63.773(c)(6)(i)-(ii)?

Yes: Comply with the following:
- Standard [G]§63.773(c)(6)
- Recordkeeping §63.774(b)(6)

No: §63.773(c)(6)

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Is the compressor or ancillary equipment subject to and controlled by NESHAP Subpart V?

Yes: Comply with the following:
- Standard §63.760(g)(2)
- Recordkeeping §63.774(b)(9)

No: §63.760(g)(3)

Is the compressor or ancillary equipment subject to and controlled by MACT Subpart H?

Yes: Comply with the following:
- Standard §63.760(g)(3)
- Recordkeeping §63.774(b)(9)

No: §63.760(g)(3)

Is the compressor or ancillary equipment subject to and controlled by NSPS Subpart OOOO?

Yes: Comply with the following:
- Standard §63.769(b)
- Reporting §63.769(b)
- §63.775(e), (e)(1)
- §63.775(e)(2)(xiv), [G][f]

No: §63.769(b)

End

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Is there any ancillary equipment or compressors that contact fluid that is less than 10% VHAP?

Yes: Comply with the following:
- Standard §63.764(e)(2)(i)
- §63.764(a), (e)(2), (j)
- Monitoring/Testin§ [G]$63.772(a)
- Recordkeeping
  §63.774(d)(2)
  §63.774(d)(2)(i)

No: §63.764(e)(2)(i)

Is there any ancillary equipment or compressors that operate in VHAP service less than 300 hrs. per year?

Yes: Comply with the following:
- Standard §63.764(e)(2)(ii)
- §63.764(a), (e)(2), (j)
- Recordkeeping
  §63.774(d)(2)
  §63.774(d)(2)(ii)

No: §63.764(e)(2)(ii)
Is the ancillary equipment a sampling connection system?

Yes: MACT Subpart HH does not apply to Sampling Connection Systems

§63.769(c)(4)

No

Is any equipment in vacuum service?

Yes: Comply with the following:

Standard 63.769(c)(1)
§61.242-1(e)

Recordkeeping

§63.774(b)(1), (b)(2)

§63.775(d), [G](d)(3), (e)
§63.775(e)(1), (e)(2)(iv)

No

§61.242-1(e)

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Do any pumps operate in VHAP service?

\[\text{Yes} \rightarrow \] 
§61.242-2

\[\text{No} \rightarrow \] 
32

Is the pump located at a nonfractionating plant with a design capacity < 283,000 scm/day?

\[\text{Yes} \rightarrow \] 
§63.769(c)(5)

\[\text{No} \rightarrow \] 
31

Comply with the following:

- Standard:
  - §63.769(c)(18)
  - §61.242-1(a), (b), (d)
  - §61.242-2(a)(2), [G](b), [G](c)
  - [G]§61.242-2(d), [G](e)
  - §61.242-2(f), (g)
  - [G]§61.242-10
  - §63.764(a), (j)
- Monitoring/Testing:
  - [G]§61.242-2(d), (f)
  - [G]§61.245(b), [G](c), [G](d)
- Recordkeeping:
  - [G]§61.246(a)-(c), [G](e), [G](h)-(i), (j)
  - [G]§63.774(b)(1), (b)(2)
- Reporting:
  - [G]§61.247(a)-(b), (c), [G](e)
  - §63.764(b)
  - §63.775(d), [G](d)(3)
  - §63.775(e), (e)(1), (e)(2)(iv)
Are any of the pumps complying with an alternative means of emission limitation?

§61.242-1(c)

Yes

Comply with the following:
Standard §63.769(c), §61.242-1(c), §61.244, §63.764(j)
Monitoring/Testing [G]§61.245(b), [G](c), [G](d)
Recordkeeping [G]§61.246(a), [G](i), (j)
Reporting [G]§61.247(a), [G](b), (c), [G](e)

No

Are any of the pumps complying with the requirements in §61.242-2?

§61.242-2

Yes

Comply with the following:
Standard §63.769(c), §61.242-1(a), (b), (d), §61.242-2(a)(1), (a)(2), [G](b), [G]§61.242-2(c), [G](d), [G](e), (f), [G]§61.242-2(g), (h), [G]§61.242-10, §63.764(a), (j)
Monitoring/Testing §61.242-2(a)(1), [G](d), (f), (h), [G]§61.245(b)-(d)
Recordkeeping [G]§61.246(a)-(c), [G](e), [G](h)-(i), (j)
Reporting [G]§61.247(a)-(b), (c), [G](e)
§63.764(b), §63.775(d), [G](d)(3), §63.775(e), (e)(1), (e)(2)(iv)
Do any compressors operate in VHAP service?

§61.242-3

Yes

Are reciprocating compressors in wet gas service the only compressors in the fugitive unit?

§63.769(c)(7)

No

MACT Subpart HH does not apply to Reciprocating Compressors in Wet Gas Service

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Are any of the compressors complying with an alternative means of emission limitation?

§61.242-1(c)

Yes

Comply with the following:
Standard
§63.769(c)
[G]§61.242-1(c)
§61.244
§61.242-3
Monitoring/Testing
[G]§61.242-1(c)
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a), [G](i), (j)
Reporting
[G]§61.247(a), [G](b), (c), [G](e)

No

Are any of the compressors complying with the requirements in §61.242-3?

§61.242-3

Yes

Comply with the following:
Standard
§63.769(c)
§61.242-1(a), (b), (d)
[G]§61.242-3
[G]§61.242-10
§63.764(a), (j)
Monitoring/Testing
[G]§61.242-3
[G]§61.245(b)-(d)
Recordkeeping
[G]§61.246(a)-(c), [G](e), [G](h)-(i), (j)
[G]§63.774(b)(1), (b)(2)
Reporting
[G]§61.247(a), [G](b)
§61.247(c), [G](e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)

No
34

Do any pressure relief devices operate in VHAP gas/vapor service?

No

§61.242-4

36

Yes

§63.769(c)(1)(ii)

35

Is the pressure relief device located in a nonfractionating facility monitored only by non-facility personnel?

No

Is the pressure relief device located at a nonfractionating plant with a design capacity < 283,000 scm/day?

Yes

§63.769(c)(5)

Comply with the following:

Standard
§63.769(c)(6)
§61.242-1(a), (b), (d)
[G]§61.242-10
§63.769(c)(2), (c)(3)
§63.764(a), (j)
Monitoring/Testing
[G]§61.245(b), [G](c), [G](d)
§63.769(c)(1), (c)(1)(ii)
Recordkeeping
[G]§61.246(a), [G](e), [G](i), (j)
[G]§63.774(b)(1), (b)(2)
Reporting
[G]§61.247(a), [G](b)
§61.247(c), [G](e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)

36

Comply with the following:

Standard
§63.769(c)(5)
§61.242-1(a), (b), (d)
§61.242-4(a), (b)(1), (b)(2)
§61.242-4(c), [G](d)
[G]§61.242-10
§63.764(a), (j)
Monitoring/Testing
§61.242-4(b)(2)
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a), [G](e), [G](i), (j)
[G]§63.774(b)(1), (b)(2)
Reporting
[G]§61.247(a), [G](b)
§61.247(c), [G](e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)
Are any of the pressure relief devices complying with an alternative means of emission limitation?

Yes

§61.242-1(c)

Comply with the following:

Standard

§63.769(c)(20)

[G]§61.242-1(c)

[G]§61.244

§63.764(j)

Monitoring/Testing

[G]§61.242-1(c)

[G]§61.245(b), [G](c), [G](d)

Recordkeeping

[G]§61.246(a), [G](i), (j)

Reporting

[G]§61.247(a), [G](b), (c), [G](e)

No

Are any of the pressure relief devices complying with the requirements in §61.242-4?

Yes

§61.242-4

Comply with the following:

Standard

§63.769(c)(7)

§61.242-1(a), (b), (d)

§61.242-4(a), (b)(1), (b)(2)

§61.242-4(c), [G](d)

[G]§61.242-10

§63.764(a), (j)

§63.769(c)(2), (c)(3)

Monitoring/Testing

§61.242-4(b)(2)

[G]§61.245(b), [G](c), [G](d)

§63.769(c)(1)

Recordkeeping

[G]§61.246(a), [G](e), [G](i), (j)

[G]§63.774(b)(1), (b)(2)

Reporting

[G]§61.247(a), [G](b)

§61.247(c), [G](e)

§63.764(b)

§63.775(d), [G](d)(3)

§63.775(e), (e)(1), (e)(2)(iv)

No
Do any open-ended valves or lines operate in VHAP service?

Yes

Are any of the open-ended valves or lines complying with an alternative means of emission limitation?

Yes

Comply with the following:
- Standard §63.769(c)
- §61.242-1(a), (b), (d)
- [G]§61.242-6
- [G]§61.242-10
- §63.764(a), (j)
- Monitoring/Testing [G]§61.245(d)
- Recordkeeping [G]§61.246(a), [G](i), (j)
- Reporting [G]§61.247(a), [G](b), (c), [G](e)

No

§61.242-6

No

Are any of the open-ended valves or lines complying with the requirements in §61.242-6?

Yes

Comply with the following:
- Standard §63.769(c)
- §61.242-1(a), (b), (d)
- [G]§61.242-6
- [G]§61.242-10
- §63.764(a), (j)
- Monitoring/Testing [G]§61.245(d)
- Recordkeeping [G]§61.246(a), [G](i), (j)
- Reporting [G]§61.247(a), [G](b), (c), [G](e)

No

§61.242-6

36

37

37
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Do any valves operate in VHAP service?

§61.242-7

No

39

Comply with the following:
Standard
§63.769(c)(9)
§61.242-1(a), (b), (d)
§61.242-7(b), [G](c), [G](d)
[G]§61.242-7(e), [G](f), [G](g)
[G]§61.242-7(h)
[G]§61.242-10
[G]§61.243-1
[G]§61.243-2
§63.764(a), (j)
Monitoring/Testing
[G]§61.242-7(c), [G](g), [G](h)
[G]§61.243-1
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a)-(c), [G](e)-(g), [G](i), (j)
[G]§63.774(b)(1), (b)(2)
Reporting
[G]§61.247(a), [G](b), (c), (d)
[G]§61.247(e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)

Yes

Are the valves in gas/vapor or light liquid service, and located at a nonfractionating plant with a design capacity < 283,000 scm/day?

§63.769(c)(5)

38

No

37

Last Modified: February 20, 2018 From 40 CFR Part 63, Subpart HH, Amended August 16, 2012

These flowcharts are for use by sources subject to the Texas Federal Operating Permits Program only and are subject to change.
Are any of the valves complying with an alternative means of emission limitation?

No

§61.242-1(c)

Yes

Comply with the following:

Standard

§63.769(c)

[G]§61.242-1(c)

§61.244

§63.764(j)

Monitoring/Testing

[G]§61.242-1(c)

[G]§61.245(b), [G](c), [G](d)

Recordkeeping

[G]§61.246(a), [G](i), (j)

Reporting

[G]§61.247(a), [G](b), (c), [G](e)

Are any of the valves complying with the requirements in §61.242-7?

Yes

Comply with the following:

Standard

§63.769(c)

[G]§61.242-1(a), (b), (d)

§61.242-7(a), (b), [G](c)-(h)

[G]§61.242-10

[G]§61.243-1

[G]§61.243-2

§63.764(a), (j)

Monitoring/Testing

[G]§61.242-7(a), [G](c), [G](g)-(h)

[G]§61.243-1

[G]§61.245(b), [G](c), [G](d)

Recordkeeping

[G]§61.246(a)-(c), [G](e)-(g), [G](i), (j)

[G]§63.774(b)(1), (b)(2)

Reporting

[G]§61.247(a), [G](b), (c), (d)

[G]§61.247(e)

§63.764(b)

§63.775(d), [G](d)(3)

§63.775(e), (e)(1), (e)(2)(iv)

No

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39
Are any pressure relief devices (liquid service) in VHAP service?

- Yes: Comply with the following:
  - Standard §63.769(c)|20
  - §61.242-1(c)
  - [G]§61.244
  - §63.764(j)
  - Monitoring/Testing
  - [G]§61.242-1(c)
  - [G]§61.245(b), [G](c), [G](d)
  - Recordkeeping
  - [G]§61.246(a), [G](i), (j)
  - Reporting
  - [G]§61.247(a), [G](b), (c), [G](e)

- No: §61.242-8

Are any of the pressure relief devices (liquid service) complying with an alternative means of emission limitation?

- Yes: Comply with the following:
  - Standard §63.769(c)|11
  - §61.242-1(a), (b), (d)
  - [G]§61.242-8
  - [G]§61.242-10
  - §63.764(a), (j)
  - Monitoring/Testing
  - [G]§61.242-8
  - [G]§61.245(b), [G](c), [G](d)
  - Recordkeeping
  - [G]§61.246(a), [G](e), [G](j)
  - Reporting
  - [G]§61.247(a), [G](b), (c), [G](e)

- No: §61.242-8

Are any of the pressure relief devices (liquid service) complying with the requirements in §61.242-8?

- Yes: §61.242-8

- No: §61.242-8
Comply with the following:
Standard
§63.769(c)|12
[G]§61.242-1(c)
[G]§61.244
§63.764(j)
Monitoring/Testing
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a), [G](i), (j)
Reporting
[G]§61.247(a), [G](b), (c), [G](e)

Comply with the following:
Standard
§63.769(c)|12
§61.242-1(a), (b), (d)
[G]§61.242-8
[G]§61.242-10
§63.764(a), (j)
Monitoring/Testing
[G]§61.242-8
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a), (c), [G](i), (j)
Reporting
[G]§61.247(a), [G](b), (c), [G](e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)
Do any product accumulator vessels operate in VHAP service?

- Yes: Are any of the product accumulator vessels complying with an alternative means of emission limitation?
  - Yes: Comply with the following:
    - Standard
      - §63.769(c)(20)
      - [G]§61.242-1(c)
      - [G]§61.244
      - §63.764(j)
    - Monitoring/Testing
      - [G]§61.242-1(c)
      - [G]§61.245(b), [G](c), [G](d)
    - Recordkeeping
      - [G]§61.246(a), [G](i), (j)
    - Reporting
      - [G]§61.247(a), [G](b), (c), [G](e)
  - No: Are any of the product accumulator vessels complying with the requirements in §61.242-9?
    - Yes: Comply with the following:
      - Standard
        - §63.769(c)(13)
        - §61.242-1(a), (b), (d)
        - §61.242-9
        - §63.764(a), (j)
      - Monitoring/Testing
        - [G]§61.245(d)
    - Recordkeeping
      - [G]§61.246(a), [G](e), [G](i), (j)
      - [G]§63.774(b)(1), (b)(2)
    - Reporting
      - [G]§61.247(a), [G](b)
      - §61.247(c), [G](e)
      - §63.764(b)
      - §63.775(d), [G](d)(3)
      - §63.775(e), (e)(1), (e)(2)(iv)

- No: Comply with the following:
  - §61.242-9

Are any of the product accumulator vessels operating in VHAP service?
Is the facility using one or more control devices to comply with this subpart?

§60.242-11(a)

Yes

Is a vapor recovery system being used as a control device?

§61.242-11(b)

No

Yes

Are any of the vapor recovery systems complying with an alternative means of emission limitation?

§61.242-1(c)

Comply with the following:

- Standard §63.769(c)(14)
- §61.242-1(c)
- §61.244
- §63.764(j)
- Monitoring/Testing [G]§61.242-1(c)
- [G]§61.245(b), [G](c), [G](d)
- Recordkeeping [G]§61.246(a), [G](i), (j)
- Reporting [G]§61.247(a), [G](b), (c), [G](e)

No

Are any of the vapor recovery systems complying with the requirements in §61.242-11(b)?

§61.242-11(b)

Yes

Comply with the following:

- Standard §63.769(c)(14)
- §61.242-1(a), (b), (d)
- §61.242-11(b)
- §61.242-11(e), (m)
- §63.764(a), (j)
- Monitoring/Testing [G]§61.245(d)
- Recordkeeping [G]§61.246(a), [G](d)-e, [G](i), (j)
- Reporting [G]§63.774(b)(1), (b)(2)
- §63.775(d), [G](a)(b)
- §61.247(c), [G](e)
- §63.764(b)
- §63.775(d), [G](d)(3)
- §63.775(e), (e)(1), (e)(2)(iv)

No

End
Comply with the following:
Standard
§63.769(c)
[G]§61.242-1(c)
[G]§61.244
§63.764(j)
Monitoring/Testing
[G]§61.242-1(c)
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(b), [G](e)
Reporting
[G]§61.247(a), [G](b), (c), [G](e)

Comply with the following:
Standard
§63.769(c)
§61.242-1(a), (b), (d)
§61.242-11(c)
§61.242-11(e), (m)
§63.764(a), (i)
Monitoring/Testing
[G]§61.245(d)
Recordkeeping
[G]§61.246(a), [G](d)-(e), [G](i), (j)
[G]§63.774(b)(1), (b)(2)
Reporting
[G]§61.247(a), [G](b)
§61.247(c), [G](e)
§63.764(b)
§63.775(d), [G](d)(3)
§63.775(e), (e)(1), (e)(2)(iv)
Is a flare being used as a control device?

Yes: §61.242-11(d)

No: 44

Are any of the flares complying with an alternative means of emission limitation?

Yes: §61.242-1(c)

No: §61.242-11(d)

Are any of the flares complying with the requirements in §61.242-11(d)?

Yes: §61.242-11(d)

No: 44

Comply with the following:

Standard
§63.769(c)20
[G]§61.242-1(c)
[G]§61.244
§63.764(j)
Monitoring/Testing
[G]§61.242-1(c)
[G]§61.245(b), [G](c), [G](d)
Recordkeeping
[G]§61.246(a), [G](i), (j)
Reporting
[G]§61.247(a), [G](b), (c), [G](e)
Comply with the following:
Standard
§63.769(c)
§61.242-1(c)
§61.244
§63.764(j)
Monitoring/Testing
§61.242-1(c)
§61.245(b), [G]§61.244
Recordkeeping
§61.246(a), [G][i], (j)
Reporting
§61.247(a), [G][b], (c), [G][e]
Is the unit an existing small glycol dehydration unit as defined in §63.761?

Yes

Comply with the following:
Standard
§63.765(b)(1)(iii)
§63.764(a)
§63.764(j)
Recordkeeping
§63.771(e)(1), (e)(3)(i)
[G]§63.774(b)(1), (b)(2), (b)(10)-(11), (g)
Reporting
§63.764(b)
[G]§63.775(b)(1), (b)(2)-(6), (d), (d)(7)
§63.775(d)(10), (e), (e)(1), (e)(2)(xi)
[G]§63.775(f)

No

§63.760(b)(1)(i)(B)
§63.765(b)(1)(iii)

Are BTEX emissions limited only by a control device or combination of control devices through a closed-vent system?

Yes

Comply with the following:
Standard
§63.765(b)(1)(iii)(A)
§63.771(c)(1)-(2), (f)(1), (f)(2)
§63.771(f)(2)(i)-(ii)
[G]§63.773(c)(3), (c)(4)
Monitoring/Testing
[G]§63.772(c), (d)(1), (e)
§63.772(e)(4)(ii), [G](f)
[G]§63.773(d)(1), (d)(3)
§63.773(d)(4), (d)(6), (d)(6)(i)
§63.773(d)(6)(iv), (d)(7)
Recordkeeping
§63.771(e)(2)
§63.774(b)(4)
Reporting
§63.775(d)(6), (d)(11), (g)(1)

No

§63.765(b)(1)(iii)(A)
Are BTEX emissions limited only through process modifications in accordance with §63.771(e)?

- Yes: Comply with the following:
  - Standard: §63.765(b)(1)(iii)(B)
  - Recordkeeping: §63.771(e)(2)
  - Reporting: §63.775(d)(11)

- No: Comply with the following:
  - Standard: §63.765(b)(1)(iii)(C)
  - Monitoring/Testing: §63.771(c)(1)-(2), (e)(3)(ii)
  - §63.771(f)(1), (f)(2), (f)(2)(i)-(ii)
  - §63.773(c)(3), (c)(4)
  - Monitoring/Testing: [G]§63.772(c), (d)(1), (e)
  - §63.772(e)(4)(ii), [G](f)
  - §63.773(d)(1), (d)(3)
  - §63.773(d)(4), (d)(6), (d)(6)(i)
  - §63.773(d)(6)(iv), (d)(7)
  - Recordkeeping: §63.771(e)(2)
  - Reporting: §63.774(b)(4)
  - §63.775(d)(6), (d)(11), (g)(1)
Does the closed vent system contain one or more bypass devices?

Yes

§63.771(c)(3)(i)
§63.773(c)(2)(iv)

Comply with the following:

Standard
§63.771(c)(3)(i)-(ii)
Recordkeeping
§63.774(b)(4)(iii)-(iv)
Reporting
§63.775(e)(2)(v), (e)(2)(xiv)

No

Comply with the following:

Standard
§63.773(c)(2)(iv)
Monitoring/Testing
§63.771(c)(3)(i)(B)
§63.773(c)(2)(iv)(B)
§63.773(d)(6)(v), (d)(6)(v)(B)

Is there a flow indicator installed at the inlet to the bypass duct that could divert the stream away from the control device to the atmosphere?

Yes

§63.771(c)(3)(i)(A)
§63.773(c)(2)(iv)(A)

Comply with the following:

Standard
§63.773(c)(2)(iv), (c)(2)(iv)(A)
Monitoring/Testing
§63.771(c)(3)(i)(A)
§63.773(c)(2)(iv)(A)
§63.773(d)(6)(v), (d)(6)(v)(A)

No

Comply with the following:

Monitoring/Testing
[G]§63.773(c)(2)(i)-(ii)
Reporting
[G]§63.773(c)(2)(i)-(ii)

Does the closed-vent system contain joints, seams or other connections that are permanently or semi-permanently sealed?

Yes

§63.773(c)(2)(i)

No

Comply with the following:

Monitoring/Testing
[G]§63.773(c)(2)(ii)
Reporting
[G]§63.773(c)(2)(ii)
Are any of the components in the closed vent system difficult to inspect as specified in §63.773(c)(6)(i)-(ii)?

- **Yes**
  - Comply with the following:
    - Standard [G]§63.773(c)(6)
    - Recordkeeping §63.774(b)(6)

- **No**
  - Are any of the components in the closed vent system unsafe to inspect as specified in §63.773(c)(5)(i)-(ii)?
    - **Yes**
      - Comply with the following:
        - Standard [G]§63.773(c)(5)
        - Recordkeeping §63.774(b)(5)
    - **No**
      - Comply with the following:
        - Recordkeeping §63.774(b)(7), (b)(7)(i)-(viii)
        - Reporting §63.775(e)(2)(iii)

Is the control device an enclosed combustion device?

- **Yes**
  - Comply with the following:
    - Recordkeeping §63.774(b)(7), (b)(7)(i)-(viii)
    - Reporting §63.775(e)(2)(iii)

- **No**
  - Comply with the following:
    - Recordkeeping §63.774(b)(7), (b)(7)(i)-(viii)
    - Reporting §63.775(e)(2)(iii)
Is mass content of BTEX to the control device reduced?

Yes

Comply with the following:

Standard
§63.771(f)(1)(i), (f)(1)(i)(A)
Monitoring/Testing
§63.773(d)(6)(ii)-(iii)

No

Comply with the following:

Standard
§63.771(f)(1)(i), (f)(1)(i)(B)
Monitoring/Testing
§63.773(d)(6)(ii)-(iii)
50

Is the control device a boiler or process heater?

Yes

§63.771(d)(1)(i)(D)

51

No

§63.772(e)(1)(vi)

End

Does the boiler or process heater burning hazardous waste meet the additional requirements specified by §63.772(e)(1)(iv)?

Yes

§63.772(e)(1)(iv)

End

No

Was a performance test conducted for the control device for another EPA regulation using the same methods specified in §63.772?

Yes

§63.772(e)(1)(vi)

No

§63.772(e)

Was a performance test conducted by the manufacturer?

Yes

§63.772(e)

No

Comply with the following:
Monitoring/Testing
§63.772(h)(1), [G](h)(2)
§63.772(h)(3), [G](h)(4)-(7), [G](i)
§63.773(d)(3), (d)(3)(i)(H)(1)-(2)
§63.773(d)(6)(vi), (d)(6)(vi)(A)-(B)
Recordkeeping
§63.774(b)(4)(ii)(C), [G](h), (i)
Reporting
§63.772(h)(8)
§63.775(d)(13), [G](d)(14)
§63.775(e)(2)(ii)(E)-(F), (e)(2)(xiii)

Comply with the following:
Monitoring/Testing
§63.772(e)(3)

Comply with the following:
Monitoring/Testing
§63.773(d)(3)(i)(D), (d)(3)(ii)-(iii)
Recordkeeping
§63.774(b)(3), (b)(4)(i)-(ii)

Does the boiler or process heater burning hazardous waste meet the additional requirements specified by §63.772(e)(1)(iv)?

Yes

§63.772(e)(1)(iv)

End

No

Was a performance test conducted by the manufacturer?

Yes

§63.772(e)

No

Comply with the following:
Monitoring/Testing
§63.772(h)(1), [G](h)(2)
§63.772(h)(3), [G](h)(4)-(7), [G](i)
§63.773(d)(3), (d)(3)(i)(H)(1)-(2)
§63.773(d)(6)(vi), (d)(6)(vi)(A)-(B)
Recordkeeping
§63.774(b)(4)(ii)(C), [G](h), (i)
Reporting
§63.772(h)(8)
§63.775(d)(13), [G](d)(14)
§63.775(e)(2)(ii)(E)-(F), (e)(2)(xiii)
Is the control device a thermal vapor incinerator?

Yes

§63.772(e)(4)(i)(A)

No

$\downarrow$

Is the incinerator a hazardous waste incinerator as specified by §63.772(e)(1)(v)?

Yes

End

§63.772(e)(1)(v)

No

Was a performance test conducted for the thermal incinerator for another EPA regulation using the same methods specified in §63.772?

Yes

§63.772(e)(1)(vi)

No

Was a performance test conducted by the manufacturer?

Yes

§63.772(e)

No

Comply with the following:

Monitoring/Testing

§63.773(d)(3)(i)(A), (d)(3)(ii)-(iii), [G](d)(5)(i)

Recordkeeping

[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)

Reporting

[G]§63.775(d)(1), [G](d)(5)

§63.775(e)(2)(i), (e)(2)(ii)

Comply with the following:

Monitoring/Testing

§63.772(e)(3)

Recordkeeping

§63.774(b)(4)(ii)(C), [G](h), (i)

Reporting

[G]§63.772(h)(1), [G](h)(2)

§63.772(h)(3), [G](h)(4)-(7), [G](i)

§63.773(b), (d)(3)(i)(H)(1)-(2)

§63.773(d)(6)(vi), (d)(6)(vi)(A)-(B)

§63.775(d)(13), [G](d)(14)

§63.775(e)(2)(ii)(E)-(F), (e)(2)(xiii)
Comply with the following:

**Monitoring/Testing**

§63.773(d)(3)(i)(B), (d)(3)(ii)-(iii), [G](d)(5)(i)

Recordkeeping

[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)

Reporting

[G]§63.775(d)(1), [G](d)(5)

§63.775(e)(2), (e)(2)(i), (e)(2)(ii)

§63.775(e)(2)(ii)(A), (e)(2)(ii)(D)

[G]§63.775(e)(2)(vii), (e)(2)(viii)

Comply with the following:

**Monitoring/Testing**

§63.772(h)(1), [G](h)(2)

§63.772(h)(3), [G](h)(4)-(7), [G](i)

§63.773(b), (d)(3)(i)(H)(1)-(2)

§63.773(d)(6)(vi), (d)(6)(vi)(A)-(B)

Recordkeeping

§63.774(b)(4)(ii)(C), [G](h), (i)

Reporting

[G]§63.772(h)(8)

§63.775(d)(13), [G](d)(14)

§63.775(e)(2)(ii)(E)-(F), (e)(2)(xii)

Comply with the following:

**Monitoring/Testing**

[G]§63.772(e)(3)

Was a performance test conducted for the catalytic incinerator for another EPA regulation using the same methods specified in §63.772?

Yes → End

No → §63.772(e)(1)(vi)

Was as performance test conducted by the manufacturer?

Yes → §63.772(e)

No → End

Comply with the following:

**Monitoring/Testing**

[G]§63.772(e)(3)
Is the control device a vapor recovery device?

- No → 57
- Yes → §63.771(d)(1)(ii)

Is the vapor recovery device a condenser?

- Yes → §63.772(e)(4)(i)(D)
- No → 55

Comply with the following:

- Standard: §63.771(f)(1)(ii)
- Monitoring/Testing: [G]§63.772(g)
  - §63.773(d)(3)(i)(E), (d)(3)(ii)-(iii), [G](d)(5)(ii)
  - §63.773(d)(6)(ii)-(iii)
- Recordkeeping: [G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)(B)
- Reporting: [G]§63.775(d)(1), [G](d)(5)
  - §63.775(e)(2), (e)(2)(i), (e)(2)(ii)
  - §63.775(e)(2)(ii)(A)-(D)
  - [G]§63.775(e)(2)(vii), (e)(2)(viii)

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These flowcharts are for use by sources subject to the Texas Federal Operating Permits Program only and are subject to change.
Was a performance test conducted for the condenser for another EPA regulation using the same methods specified in §63.772?

§63.772(e)(1)(vi)

No

Was an alternative to performance testing and design analysis conducted on this facility using GRI-GLYCalc™ as specified in §63.772(e)(5)?

§63.772(e)(5)

No

Was a performance test conducted on this facility?

§63.772(e)(3)

No

Yes → End

Comply with the following:

§63.772(e)(4)(i)-(ii)

End

Yes → Comply with the following:

Monitoring/Testing

§63.772(e)(5)

Comply with the following:

Monitoring/Testing

[G]§63.772(e)(3)

Reporting

[G]63.775(d)(4)
Is the vapor recovery device a regenerable carbon adsorption system?

Yes

§63.772(e)(4)(i)(E)

Comply with the following:
- Standard §63.771(f)(1)(ii), (f)(3)
- Recordkeeping [G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii) §63.774(b)(7)(ix)
- Reporting [G]§63.775(d)(1), [G](d)(5) §63.775(e)(2), (e)(2)(i), (e)(2)(ii) §63.775(e)(2)(ii)(A), (e)(2)(ii)(D) [G]§63.775(e)(2)(vii), (e)(2)(viii)

Was a performance test conducted for the carbon adsorption system for another EPA regulation using the same methods specified in §63.772?

Yes

§63.772(e)(1)(vi)

Comply with the following:
- Monitoring/Testing [G]§63.772(e)(3)
- Reporting [G]§63.775(d)(4)

End

No

Was the vapor recovery device a regenerable carbon adsorption system?

Yes

§63.772(e)(4)(i)(E)

Comply with the following:
- Standard §63.771(f)(1)(ii), (f)(3)
- Recordkeeping [G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii) §63.774(b)(7)(ix)
- Reporting [G]§63.775(d)(1), [G](d)(5) §63.775(e)(2), (e)(2)(i), (e)(2)(ii) §63.775(e)(2)(ii)(A), (e)(2)(ii)(D) [G]§63.775(e)(2)(vii), (e)(2)(viii)

Was a performance test conducted for the carbon adsorption system for another EPA regulation using the same methods specified in §63.772?

Yes

§63.772(e)(1)(vi)

Comply with the following:
- Monitoring/Testing [G]§63.772(e)(3)
- Reporting [G]§63.775(d)(4)

End

No

Was the vapor recovery device a regenerable carbon adsorption system?
Comply with the following:

**Standard**
§63.771(f)(1)(ii), (f)(3)

**Monitoring/Testing**
§63.773(d)(3)(i)(G), (d)(3)(ii)-(iii), [G](d)(5)(i)
§63.773(d)(6)(ii)-(iii)

**Recordkeeping**
[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii), (b)(7)(ix)

**Reporting**
§63.775(d)(1), [G](d)(5), (e)(2)
§63.775(e)(2)(i), (e)(2)(ii), (e)(2)(ii)(A)
§63.775(e)(2)(ii)(D), [G](e)(2)(vii), (e)(2)(viii)

Was a performance test conducted for the nonregenerable carbon adsorption system for another EPA regulation using the same methods specified in §63.772?

- **Yes**
  - §63.772(e)(1)(vi)
  - Comply with the following:
    **Monitoring/Testing**
    [G]§63.772(e)(3)
    **Reporting**
    [G]§63.775(d)(4)
- **No**
  - Comply with the following:
    **Monitoring/Testing**
    [G]§63.772(e)(3)
    **Reporting**
    [G]§63.775(d)(4)

End

Comply with the following:

**Standard**
§63.11(b)
§63.771(f)(1)(iii)

**Monitoring/Testing**
[G]§63.772(e)(2)
§63.773(d)(3)(i)(C), (d)(3)(iii)

**Recordkeeping**
[G]§63.774(b)(3), (b)(4)(i), (b)(4)(ii)(A)

**Reporting**
[G]§63.775(d)(2), (e)(2), (e)(2)(i), (e)(2)(ii)
§63.775(e)(2)(ii)(A), (e)(2)(ii)(D)
[G]§63.775(e)(2)(vii), (e)(2)(viii), (e)(2)(x)

End
Does the glycol dehydrator have an annual avg. flowrate < 85 Kscm/d?

Yes

§63.764(e)(1)(i)

No

§63.760(b)(2)

Does the glycol dehydrator vent have precontrol benzene emissions < 0.90 Mg/yr?

Yes

§63.764(e)(1)(i)

No

§63.764(e)(1)(ii)

Is the TEG dehydration unit located within an UA plus offset and UC boundary?

No

A3

Yes

§63.764(d)(1)

Comply with the following:

- Standard §63.764(e)(1)(i)
- §63.764(a), (e)(1), (j)
- §63.775(c)(8)
- Monitoring/Testing [G]§63.772(b)(1)
- Recordkeeping §63.774(d)(1)
- §63.774(d)(1)(i)

Comply with the following:

- Standard §63.764(e)(1)(ii)
- §63.764(a), (e)(1), (j)
- §63.775(c)(8)
- Monitoring/Testing [G]§63.772(b)(2)
- Recordkeeping §63.774(d)(1)
- §63.774(d)(1)(ii)

End
Comply with the following:

**Standard**

- §63.764(d)(2)(ii)
- §63.764(a), (d)(2)(i), (d)(2)(iii), (j)

**Recordkeeping**

- §63.764(d)(2)(iii)
- [G]§63.774(b)(1), (b)(2), (f), (g)

**Reporting**

- §63.764(b), (d)(2)(iii)
- §63.775(c), (c)(1), [G](c)(7)
- §63.775(d)(10), (e), (g)(2)