Below is a flowchart describing 40 CFR Part 63, Subpart F. 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 F

Does the process unit manufacture as a primary product one or more of the chemicals listed in paragraphs §63.100(b)(1)(i) or (b)(1)(ii) of this subpart?

§63.100(b)(1)

Yes

Is the process unit located at a plant site that is a major source as defined in 112(a) of the Federal Clean Air Act?

§63.100(b)(3)

Yes

Is the chemical manufacturing process unit producing crotonaldehyde or tetrahydro-benzaldehyde?

Future Compliance Date is contained in the Operating Permit's Special Terms and Conditions.

§63.100(p)

No

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40 CFR Part 63, Subpart F does not apply.

End

Start
Does the unit use as a reactant or manufacture as a product, by-product, or co-product, one or more of the organic hazardous air pollutants in Table 2?

- Yes: Comply with the following:
  - Standard
    - §63.100(b)(2)
  - Monitoring/Testing
    - §63.103(b)(5), §63.103(b)(6)
  - Recordkeeping
    - §63.103(c)
  - Reporting
    - §63.103(e)

- No: The specified unit is not required to comply with the provisions of 40 CFR Part 63, Subpart A.

Is the unit using an alternative means of emission limitation to achieve a reduction in inorganic HAP emission?

- Yes: Comply with the following:
  - Standard
    - §63.100(b)
    - §63.100(c)
    - §63.102(a), §63.102(c)
    - §63.105(d)
    - §63.105(c)
  - Monitoring/Testing
    - §63.103(b)(1), §63.103(b)(2), §63.103(b)(3), §63.103(b)(4), §63.103(b)(5), §63.103(b)(6)
  - Recordkeeping
    - §63.103(c)
  - Reporting
    - §63.103(b)(2), §63.103(b)(5), §63.103(d)

- No: Comply with the following:
  - Standard
    - §63.100(b)(2)
  - Recordkeeping
    - §63.103(e)
  - Reporting
    - §63.103(e)

The specified unit is not required to comply with the provisions of 40 CFR Part 63, Subpart A.
Is the heat exchanger operated with a minimum pressure on the cooling water side of at least 35 kPa greater than the maximum pressure on the process side?

§63.104(a)(1)

No

Comply with the provisions of 40 CFR Part 63, Subpart G and 40 CFR Part 63, Subpart H

Yes

Is a heat exchange system used to cool process equipment in a chemical manufacturing process unit meeting the conditions of §63.100(b)(1)-(3)?

§63.104(a)

No

End

Yes

Is the heat exchanger operated with a minimum pressure on the cooling water side of at least 35 kPa greater than the maximum pressure on the process side?
Does the once-through heat exchange system currently have an NPDES permit with an allowable discharge limit < 1 ppm above influent concentration or 10% or less above influent concentration, whichever is greater?

§63.104(a)(2)

Is there an intervening cooling fluid containing less than 5% by weight of total HAP's listed in Table 4 of this subpart between the process and cooling water?

No

§63.104(a)(3)

Does the once-through heat exchange system currently have an NPDES permit that meets §63.104(a)(4)(i)-(iv)?

End

§63.104(a)(4)

Is the once-through heat exchange system subject to an NPDES permit that meets §63.104(a)(4)(i)-(iv)?

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Is the recirculating heat exchange system used to cool process fluids that contain less than 5% by weight of total HAP's listed in Table 4 of this subpart?

§63.104(a)(5)

Yes

End

No

Is the once-through heat exchange system used to cool process fluids that contain less than 5% by weight of total HAP's listed in Table 9 of subpart G?

§63.104(a)(6)

Yes

End

No

Comply with the following:

Standard
§63.104(a), [G](d)
§63.104(e), (e)(1), [G](e)(2)
Recordkeeping
[G]§63.104(e)(2), [G](f)(1)
Reporting
[G]§63.104(f)(2)
Is the cooling water being monitored for the presence of HAPs or other representative substances that would indicate a leak?

- Yes: Comply with the following:
  Monitoring/Testing
  [G]§63.104(b)

- No: Comply with the following:
  Monitoring/Testing
  Recordkeeping
  [G]§63.104(c)

End