Below is a flowchart describing 30 TAC Chapter 112, Sulfur Compounds. It will likely not be accessible using a screen reader. For the text of the statute/rule, please go to 30 TAC Chapter 112, Sulfur Compounds (1 of 14)

Start

Is the Sulfuric Acid Plant in a non-ferrous smelting process?

Yes → 11

Is the unit a Sulfuric Acid Plant burning elemental sulfur?

Yes → §112.5(a)

No

Is the facility any other type of Sulfuric Acid Plant?

Yes → §112.6(a)

No

Is the facility a Sulfur Recovery Plant?

Yes → §112.7(a)

No

Is the unit a Solid Fossil Fuel-fired Steam Generator?

Yes → §112.8(a)

No → 1
Is the unit a liquid fuel-fired steam generator, furnace, or heater?

Is the unit a Non-ferrous Smelter Process?

Is the unit a H₂SO₄ or an oleum facility that burns elemental sulfur or the other specified materials, by the contact process?

Is the affected facility located at a Kraft Paper Mill?

30 TAC Chapter 112 does not apply.

End
Comply with the following:
Standard
§112.5(a)
Monitoring/Testing
§112.2(a)
Recordkeeping
§112.2(c)
Reporting
§112.2(b)

Is the effective stack height less than the standard effective stack height?

Yes

No

Comply with the following:
Standard
§112.5(b)

Comply with the following:
Monitoring/Testing
§112.5(c)

Does the plant have a production capacity, expressed as 100% acid, > 300 tons/day?

Yes

No

§112.5(c)
Comply with the following:
Standard §112.6(a)
Monitoring/Testing §112.2(a)
Recordkeeping §112.2(c)
Reporting §112.2(b)

Is the effective stack height less than the standard effective stack height?

§112.6(b)

Does the plant have a production capacity, expressed as 100% acid, > 300 tons/day?

§112.6(c)

Is the unit a H₂SO₄ plant that burns the specified materials (excluding elemental sulfur), by the contact process?

§112.41(b)

End
Comply with the following:

- Standard §112.7(a)
- Monitoring/Testing §112.2(a)
- Recordkeeping §112.2(c)
- Reporting §112.2(b)

Is the effective stack height less than the standard effective stack height? §112.7(b)

Is the unit a H₂SO₄ or an oleum facility that burns elemental sulfur or the other specified materials, by the contact process? $\S112.41(b)$

Is the affected facility located at a Kraft Paper Mill? $\S112.51(b)$

Comply with the following:

- Standard §112.7(b)
Is the steam generator located in Milam County and did it begin operation prior to 01/01/1955?

Yes

Comply with the following:
Standard §112.8(b)

No

$\text{SO}_2$

Comply with the following:
Standard §112.8(a)

Does the unit have a heat input > 250 MMBtu/hr AND is it equipped with $\text{SO}_2$ control equipment?

Yes

Is the unit complying with §412(c) of the Federal Clean Air Act (FCAA) as amended in 1990 and Title 40 Code of Federal Regulations Part 75?

Yes

Comply with the following:
Monitoring/Testing §112.8(d)

No

Comply with the following:
Monitoring/Testing §112.8(c)

No

End

$\text{SO}_2$

$\text{SO}_2$
30 TAC Chapter 112, Sulfur Compounds
(7 of 14)

6

SO_2

Is the liquid fuel-fired steam generator, furnace, or heater located in Harris or Jefferson County?

No

Comply with the following:
Standard §112.9(a)
Monitoring/Testing §112.2(a)
Recordkeeping §112.2(c)
Reporting §112.2(b)

Yes

§112.9(c)

§112.9(b)

Is the effective stack height less than the standard effective stack height?

No

7

Comply with the following:
Standard §112.9(b)

Yes

Comply with the following:
Standard §112.9(c)
Monitoring/Testing §112.2(a)
Recordkeeping §112.2(c)
Reporting §112.2(b)
Does the unit have a heat input > 250 MMBtu/hr AND is it equipped with SO$_2$ control equipment?

§112.9(d)

Yes

Is the unit a steam generator?

End

§412(c) of the FCAA as amended in 1990 and 40 CFR Part 75?

No

Yes

Comply with the following: Monitoring/Testing §112.9(e)

§112.9(d)

Comply with the following: Monitoring/Testing §112.9(e)

End

No

§112.9(d)
Is the unit a Primary Copper Smelter other than reverberatory furnace?  

Yes → Comply with the following:  
Standard §112.14(b)(1)

No → §112.14(b)(1)

Is the unit a Primary Copper Smelter reverberatory furnace?  

Yes → Comply with the following:  
Standard §112.14(b)(1)(A)

No → §112.14(b)(1)(A)

Is the unit a Primary Zinc Smelter?  

Yes → Comply with the following:  
Standard §112.14(b)(2)

No → §112.14(b)(2)

Is the unit a Primary Lead Smelter sinter machine discharge end?  

Yes → Comply with the following:  
Standard §112.14(b)(3)(A)

No → §112.14(b)(3)(A)
Is the process a Primary Lead Smelter sinter handling equipment emission collecting system? 

- Yes: Comply with the following:
  - Standard §112.14(b)(3)(B)

  §112.14(b)(3)(B)

- No: Is the process any other process at a Primary Lead Smelter?

  - Yes: Comply with the following:
    - Standard §112.14(b)(3)(C)

  §112.14(b)(3)(C)

  - No: Is the process at any other Primary Smelter?

    - Yes: Comply with the following:
      - Standard §112.14(b)(4)

    §112.14(b)(4)

    - No: Is the process at any Secondary Metal Recovery Facility?

      - Yes: Comply with the following:
        - Standard §112.14(b)(5)

      §112.14(b)(5)

      - No: 11
Comply with the following:
Standard
§112.14(b)(6)

Comply with the following:
Standard
§112.14(c)

Is the effective stack height less than the standard effective stack height?

No

Comply with the following:
Standard
§112.14(e)
Monitoring/Testing
§112.2(a)
Recordkeeping
§112.2(c)
Reporting
§112.2(b)

Yes

Comply with the following:
Standard
§112.14(d)
Is the H$_2$SO$_4$ plant or facility used exclusively as SO$_2$ control system, chamber process plant, acid concentrators, or oleum storage and transfer facility?

- **Yes**: Comply with the following:
  - Standard §112.41(b)(2)
  - End

- **No**: §112.41(b)(2)
  - Comply with the following:
    - Standard §112.41(b)
    - §112.41(b)(1)
    - Monitoring/Testing §112.43(b)
    - §112.43(c)
    - [G]§112.43(c)(1)
    - [G]§112.43(c)(2)
    - §112.45(a)
    - Recordkeeping [G]§112.45(b)
Is the affected facility an old design recovery furnace?

- **Yes**
  - Comply with the following:
  - Standard §112.51(b)(1)(A)

- **No**

Is the affected facility a new design recovery furnace?

- **Yes**
  - Comply with the following:
  - Standard §112.51(b)(1)(B)

- **No**

Is the affected facility a cross recovery furnace?

- **Yes**
  - Comply with the following:
  - Standard §112.51(b)(1)(C)

- **No**

Is the affected facility a digester system, multiple-effect evaporator system, or condensate stripper system?

- **Yes**
  - Comply with the following:
  - Standard §112.51(b)(2)

- **No**

15
Is the affected facility a lime kiln?

§112.51(b)(3)

Is the affected facility a smelt dissolving tanks?

§112.51(b)(4)

Comply with the following:
Standard
§112.51(b)(3)

Comply with the following:
Standard
§112.51(b)(4)

Has the affected facility been granted an alternative emission limitation by the Executive Director?

§112.53

Comply with the following:
Standard
[G]§112.53

End

30 TAC Chapter 112 does not apply.

Comply with the following:
Monitoring/Testing
§112.51(c)
§112.55
[G]§112.57(a)
[G]§112.57(b)
[G]§112.57(c)
Recordkeeping
[G]§112.57(c)
Reporting
§112.59

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These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change.