

**GREENHOUSE GASES THAT MUST BE REPORTED BY SOURCE CATEGORY  
INCLUDED IN 20.2.300 NMAC**

**SUMMARY TABLE**

<b>Source Category</b>	<b>GHGs to Report</b>
Combustion emissions	CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O
Process emissions	
Combustion & Electricity Generation	CO <sub>2</sub> from sorbent use
Electricity Generation	HFC fugitives from cooling units
Cement Production	CO <sub>2</sub> from calcination
Hydrogen Production	CO <sub>2</sub> from hydrogen production process units
Lead	CO <sub>2</sub> from smelting
Lime Manufacturing	CO <sub>2</sub> from kilns
Nitric Acid Production	N <sub>2</sub> O
Petrochemical Production	CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O
Petroleum Refineries	CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O as specified for unit types
Zinc Production	CO <sub>2</sub> from Waelz kilns
Acid Gas Removal (AGR) Vent Stacks	CO <sub>2</sub> from AGR Vent Stacks

**TEXT FROM MARKUP OF 40 CFR 98 WITH MODIFICATIONS IN 20.2.300 NMAC**

**Subpart C – General Stationary Fuel Combustion Sources**

§98.32 GHGs to report.

(a) You must report CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O mass emissions from each stationary fuel combustion unit.

\*(b) Units that generate electricity either for sale or for use onsite must also report fugitive HFC emissions from cooling units by following the requirements of §98.33(f).

**Subpart D – Electricity Generation**

§98.42 GHGs to report.

(a) For each electricity generating unit that is subject to the requirements of the Acid Rain Program or is otherwise required to monitor and report to EPA CO<sub>2</sub> emissions year-round according to 40 CFR part 75, you must report under this subpart the annual mass emissions of CO<sub>2</sub>, N<sub>2</sub>O, and CH<sub>4</sub> by following the requirements of this subpart.

(b) For each electricity generating unit that is not subject to the Acid Rain Program or otherwise required to monitor and report to EPA CO<sub>2</sub> emissions year-round according to 40 CFR part 75, you must report under subpart C of this part (General Stationary Fuel Combustion Sources) the emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O by following the requirements of subpart C.

(c) For each stationary fuel combustion unit that does not generate electricity, you must report under subpart C of this part (General Stationary Fuel Combustion Sources) the emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O by following the requirements of subpart C of this part.

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\* Reporting-only emissions

### **Subpart H – Cement Production**

§98.82 GHGs to report.

You must report:

- (a) CO<sub>2</sub> process emissions from calcination in each kiln.
- (b) CO<sub>2</sub> combustion emissions from each kiln.
- (c) CH<sub>4</sub> and N<sub>2</sub>O combustion emissions from each kiln. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.
- (d) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than kilns. You must report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

### **Subpart P – Hydrogen Production**

§98.162 GHGs to report.

You must report:

- (a) CO<sub>2</sub> emissions from each hydrogen production process unit.
- (b) [Reserved]
- (c) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than hydrogen production process units. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.
- (d) For CO<sub>2</sub> collected and transferred off site, you must follow the requirements of subpart PP of this part. [Subpart PP is referenced but not incorporated in Pt. 300.]

### **Subpart R – Lead Production**

§98.182 GHGs to report.

You must report:

- (a) Process CO<sub>2</sub> emissions from each smelting furnace used for lead production.
- (b) CO<sub>2</sub> combustion emissions from each smelting furnace used for lead production.
- (c) CH<sub>4</sub> and N<sub>2</sub>O combustion emissions from each smelting furnace used for lead production. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.
- (d) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than smelting furnaces used for lead production. You must report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

### **Subpart S – Lime Manufacturing**

§98.192 GHGs to report.

You must report:

- (a) CO<sub>2</sub> process emissions from lime kilns.
- (b) CO<sub>2</sub> emissions from fuel combustion at lime kilns.
- (c) N<sub>2</sub>O and CH<sub>4</sub> emissions from fuel combustion at each lime kiln. You must report these emissions under 40 CFR part 98, subpart C (General Stationary Fuel Combustion Sources).
- (d) CO<sub>2</sub>, N<sub>2</sub>O, and CH<sub>4</sub> emissions from each stationary fuel combustion unit other than lime kilns. You must report these emissions under 40 CFR part 98, subpart C (General Stationary Fuel Combustion Sources).

(e) CO<sub>2</sub> collected and transferred off site under 40 CFR part 98, following the requirements of subpart PP of this part (Suppliers of Carbon Dioxide (CO<sub>2</sub>)). [Subpart PP is referenced but not incorporated in Pt. 300.]

### **Subpart V – Nitric Acid Production**

§98.222 GHGs to report.

- (a) You must report N<sub>2</sub>O process emissions from each nitric acid production train as required by this subpart.
- (b) You must report under subpart C of this part (General Stationary Fuel Combustion Sources) the emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O from each stationary combustion unit by following the requirements of subpart C.

### **Subpart X – Petrochemical Production**

§98.242 GHGs to report.

You must report the information in paragraphs (a) through (c) of this section:

- (a) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O process emissions from each petrochemical process unit. Process emissions include CO<sub>2</sub> generated by reaction in the process and by combustion of process off-gas in stationary combustion units and flares.
  - (1) If you comply with §98.243(b) or (d), report under this subpart the calculated CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions for each stationary combustion source and flare that burns any amount of petrochemical process off-gas.
  - (2) If you comply with §98.243(c), report under this subpart the calculated CO<sub>2</sub> emissions for each petrochemical process unit.
- (b) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O combustion emissions from stationary combustion units and flares.
  - (1) If you comply with §98.243(b) or (d), report these emissions from stationary combustion units that are associated with petrochemical process units and burn only supplemental fuel under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.
  - (2) If you comply with §98.243(c), report CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O combustion emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C only for the combustion of supplemental fuel. Determine the applicable Tier in subpart C of this part (General Stationary Fuel Combustion Sources) based on the maximum rated heat input capacity of the stationary combustion source.
- (c) CO<sub>2</sub> captured. You must report the mass of CO<sub>2</sub> captured under, subpart PP of this part (Suppliers of Carbon Dioxide (CO<sub>2</sub>)) by following the requirements of subpart PP. [Subpart PP is referenced but not incorporated in Pt. 300.]

### **Subpart Y – Petroleum Refineries**

§98.252 GHGs to report.

You must report:

- (a) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O combustion emissions from stationary combustion units and from each flare. Calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C, except for CO<sub>2</sub> emissions from combustion of refinery fuel gas. For CO<sub>2</sub> emissions from combustion of fuel gas, use either equation C-5 in subpart C of this part or the Tier 4 methodology in subpart C of this part.

You may aggregate units, monitor common stacks, or monitor common (fuel) pipes as provided in §98.36(c) when calculating and reporting emissions from stationary combustion units.

(b) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O coke burn-off emissions from each catalytic cracking unit, fluid coking unit, and catalytic reforming unit under this subpart.

(c) CO<sub>2</sub> emissions from sour gas sent off site for sulfur recovery operations under this subpart. You must follow the calculation methodologies from §98.253(f) and the monitoring and QA/QC methods, missing data procedures, reporting requirements, and recordkeeping requirements of this subpart.

(d) CO<sub>2</sub> process emissions from each on-site sulfur recovery plant under this subpart.

(e) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each coke calcining unit under this subpart.

\* (f) CO<sub>2</sub> and CH<sub>4</sub> emissions from asphalt blowing operations under this subpart.

(g) CH<sub>4</sub> emissions from equipment leaks\*, storage tanks\*, loading operations\*, delayed coking units, and uncontrolled blowdown systems under this subpart.

(h) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each process vent not specifically included in paragraphs (a) through (g) of this section under this subpart.

(i) CO<sub>2</sub> and CH<sub>4</sub> emissions from non-merchant hydrogen production under this subpart. You must follow the calculation methodologies, monitoring and QA/QC methods, missing data procedures, reporting requirements, and recordkeeping requirements of subpart P of this part.

### **Subpart GG – Zinc Production**

§98.332 GHGs to report.

You must report:

(a) CO<sub>2</sub> process emissions from each Waelz kiln and electrothermic furnace used for zinc production.

(b) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O combustion emissions from each Waelz kiln. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

(c) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than Waelz kilns. You must report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

### **TEXT FROM 20.2.300.107 NMAC**

**20.2.300.107 EMISSIONS FROM ACID GAS REMOVAL VENT STACKS:** The owner or operator shall report any non-combustion emissions of carbon dioxide from acid gas removal vent stacks as described in this section.

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\* Reporting-only emissions