

Ammonia Manufacturing Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored?

If NOT using a CEMS, measure these parameters on a monthly basis...

- | | |
|--|--|
| <input type="checkbox"/> Volume of gaseous feedstock (standard cubic feet [scf]) (with flow meter) | <input type="checkbox"/> Carbon content of solid feedstock (kg C per kg of feedstock) |
| <input type="checkbox"/> Carbon content of gaseous feedstock (kilogram [kg] C per kg of feedstock) | <input type="checkbox"/> Annual urea production, if applicable (metric tons) |
| <input type="checkbox"/> Molecular weight of the gaseous feedstock (kg/kg-mole) | <input type="checkbox"/> CO ₂ from the steam reforming of a hydrocarbon or the gasification of solid and liquid raw material at the ammonia manufacturing process unit used to produce urea |
| <input type="checkbox"/> Volume of liquid feedstock (gallons) (with flow meter) | <input type="checkbox"/> Carbon content of liquid feedstock (kg C per gallon of feedstock) |
| <input type="checkbox"/> Mass of solid feedstock (kg) (from company records and aggregated on monthly basis) | |

If using a CEMS:

In addition to the monitoring requirements under 40 CFR subpart C for the Tier 4 Calculation Methodology, measure these parameters...

- Annual quantity of each type of feedstock consumed for ammonia manufacturing (scf of gaseous feedstock, gallons of liquid feedstock, and kg of solid feedstock)

See also the information sheet for Ammonia Manufacturing at www.epa.gov/climatechange/emissions/downloads/infosheets/ammoniamanufacturing.pdf.