

Suppliers of Natural Gas and Natural Gas Liquids Monitoring Checklist



Final Rule: Greenhouse Gas Reporting Program

What Must Be Monitored for Each Supplier of Natural Gas and Natural Gas Liquids (NGLs)?

For local distribution companies (LDCs), measure these parameters...

- Annual volume of natural gas received at the city gate stations for redelivery on the LDC's distribution system (thousand standard cubic feet)
- Annual volume of natural gas delivered directly to its systems from producers or natural gas processing plants from local production (thousand standard cubic feet)
- Annual volume of vaporized liquefied natural gas produced at on-system vaporization facilities for delivery on its distribution system (not included above in the annual volume of natural gas received at its city gate for redelivery) (thousand standard cubic feet)
- Annual volume of natural gas delivered to each of the following types of customers: residential, commercial, industrial, and electricity generating facilities (thousand standard cubic feet)
- Annual volume of natural gas delivered to downstream gas transmission pipelines and other LDCs (thousand standard cubic feet)
- Meter readings of all volumes monitored (thousand standard cubic feet)
- Carbon content and/or British thermal units (Btu) content of natural gas supplied, if developing a site-specific higher heating value and/or emission factor (Calculation Methodology 1)
- Annual volume of natural gas withdrawn from on-system storage for delivery on its distribution system (thousand standard cubic feet)
- Btu content of natural gas supplied, if developing a site-specific emission factor (Calculation Methodology 2)
- Annual volume of natural gas received at its city gate and stored on-system or liquefied and stored (thousand standard cubic feet)
- Annual volume of natural gas delivered to each meter registering greater than 460,000 thousand standard cubic feet per year (thousand standard cubic feet)

For NGL fractionators, measure these parameters...

- Annual volume of each NGL product (ethane, propane, normal butane, isobutane, and pentanes plus) received from other NGL fractionators (barrels, or bbl)
- Carbon content and/or Btu content of each NGL product supplied (ethane, propane, normal butane, isobutane, and pentanes plus), if developing site-specific higher heating values and/or emission factors (Calculation Methodology 1)
- Annual volume of each NGL product (ethane, propane, normal butane, isobutane, and pentanes plus) supplied (bbl)
- Btu content of each NGL product supplied (ethane, propane, normal butane, isobutane, and pentanes plus), if developing site-specific emission factors (Calculation Methodology 2)
- Annual volume of natural gas received for processing (thousand standard cubic feet)
- Annual quantity of y-grade, bulk NGLs received from others for fractionation (bbl)
- Annual quantity of propane odorized at the facility and delivered to others (bbl)
- Meter readings (made according to standard measurement schedule) of all volumes monitored (thousand standard cubic feet)

See also the information sheet for Suppliers of Natural Gas and Natural Gas Liquids (EPA-430-F-09-004R) at:

www.epa.gov/ghgreporting/documents/pdf/infosheets/suppliersnaturalgas.pdf.

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