

Manure Management Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

NOTE: EPA will not be implementing subpart JJ of Part 98 using funds provided in its FY2010 appropriations or Continuing Appropriations Act, 2011 (Public Law 111-242), due to a Congressional restriction prohibiting the expenditure of funds for this purpose.

What Must Be Monitored?

For estimating emissions from all manure management system components except anaerobic digesters, measure these parameters ...

Static animal populations (e.g., dairy cows, laying hens, breeding pigs):

- Annual animal inventory

Growing animal populations (e.g., beef cows, veal, market pigs, broilers, turkeys):

Average annual animal population by animal type, estimated by monitoring:

- Average number of days each animal is kept at the facility
- Number of animals produced annually

Manure management system component use:

- Fraction of manure by weight for each animal type managed in each system component

For anaerobic digesters, measure these parameters...

Methane flow to digester combustion device:

- Daily average volumetric flow rate to digester (cubic feet/minute)
- Pressure at which flow is measured for each operating day (atm)
- Daily average methane concentration of digester gas (percent, wet basis)
- Number of digester operating days per year (days/yr)
- Temperature at which flow is measured for each operating day (°R)

Methane destruction at digesters:

- Number of operating hours of combustion device

See also the information sheet for Manure Management (EPA-430-F-09-026R) at:
www.epa.gov/climatechange/emissions/downloads/infosheets/manuremanagement.pdf.

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