the following system components: Un-
covered anaerobic lagoons, liquid/slur-
ry systems with and without crust cov-
ers (including but not limited to ponds
and tanks), storage pits, digesters,
solid manure storage, dry lots (includ-
ing feedlots), high-rise houses for poul-
try production (poultry without litter),
poultry production with litter, deep
bedding systems for cattle and swine,
manure composting, and aerobic treat-
ment.
(c) This source category does not in-
clude system components at a live-
stock facility that are unrelated to the
stabilization and/or storage of manure
such as daily spread or pasture/range/
paddock systems or land application
activities or any method of manure
utilization that is not listed in
§98.360(b).
(d) This source category does not in-
clude manure management activities
located off site from a livestock facil-
ity or off-site manure composting oper-
ations.

§98.361 Reporting threshold.
Livestock facilities must report GHG
emissions under this subpart if the fa-
cility meets the reporting threshold as
defined in 98.360(a) above, contains a
manure management system as defined
in 98.360(b) above, and meets the re-
quirements of §98.2(a)(1).

§98.362 GHGs to report.
(a) Livestock facilities must report
annual aggregate CH\textsubscript{4} and N\textsubscript{2}O emis-
sions for the following MMS compo-
nents at the facility:

1. Uncovered anaerobic lagoons.
2. Liquid/slurry systems (with and
   without crust covers, and including but
   not limited to ponds and tanks).
3. Storage pits.
4. Digesters, including covered an-
eaerobic lagoons.
5. Solid manure storage.
6. Dry lots, including feedlots.
7. High-rise houses for poultry pro-
duction (poultry without litter).
8. Poultry production with litter.
9. Deep bedding systems for cattle
and swine.
10. Manure composting.

(b) A livestock facility that is subject
to this rule only because of emissions
from manure management system
components is not required to report
emissions from subparts C through PP
(other than subpart JJ) of this part.
(c) A livestock facility that is subject
to this part because of emissions from
source categories described in subparts
C through PP of this part is not re-
quired to report emissions under sub-
part JJ of this part unless emissions
from manure management systems are
25,000 metric tons CO\textsubscript{2}e per year or
more.

§98.363 Calculating GHG emissions.
(a) For all manure management sys-
tem components listed in 98.360(b) ex-
ccept digesters, estimate the annual CH\textsubscript{4}
emissions and sum for all the compo-
nents to obtain total emissions from
the manure management system for all
animal types using Equation JJ–1.

\[
\text{CH}_4\text{ Emissions}_{\text{MMS}} \ (\text{metric tons/yr}) = \sum_{\text{MMSC}} \left( \sum_{\text{MMS comp.}} \left[ \text{TVS}_{\text{AT}} \times \frac{\text{VS}}{\text{MMSC}} \times \frac{\text{days/yr}}{365} \times \frac{\text{B}}{\text{MMSC}} \times \frac{\text{kg}}{1000 \text{ kg}} \right] \right)
\]  

(Eq. JJ-2)

Where:

- \(\text{MMSC}\) = Manure management systems component.
- \(\text{TVS}_{\text{AT}}\) = Total volatile solids excreted by animal type, calculated using Equation JJ–3 of this section (kg/day).
- \(\text{VS}_{\text{MMSC}}\) = Fraction of the total manure for each animal type that is managed in MMS component MMSC, assumed to be equivalent to the fraction of VS in each MMS component.
- \(\text{VS}_{\text{sol}}\) = Volatile solids removal through solid separation; if solid separation occurs prior to the MMS component, use a default value from Table JJ–4 of this section; if no solid separation occurs, this value is set to 0.
- \(\text{B}_{\text{MMSC}}\) = Maximum CH\textsubscript{4}-producing capacity for each animal type, as specified in Table JJ–2 of this section (m\textsuperscript{3} CH\textsubscript{4}/kg VS).
- \(\text{MCF}_{\text{MMSC}}\) = CH\textsubscript{4} conversion factor for the MMS component, as specified in Table JJ–5 of this section (decimal).

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