

Instructions for 2009 Greenhouse Gas Emissions Inventory Reporting for Ethanol Facilities

Where do I find the ethanol calculation spreadsheet?

Facilities may download the ethanol calculation spreadsheets from <http://www.iowadnr.gov/air/prof/ghg/ghg.html>

How do I complete the ethanol calculation spreadsheet?

There are four tabs on the spreadsheet. The tabs and instructions are:

1. Emissions from Throughputs tab:

Fill in the green cells with your facility information and the yellow cells with your 2009 fossil fuel usage. *Note: this tab is formatted to print out on legal-sized paper.*

Avoid the most common GHG reporting error:

The most common error in GHG reporting is in the units of measure and conversions for natural gas.

- Please report your throughput in million BTU (MMBtu), not million cubic feet (MMcf).
- If you use a value from your fuel report, please enter the MMcf/MMBtu value used in your calculations in the red box (cell L6) on the reporting form. For instance, if your heating bill shows the average monthly value was 1018 MMcf/MMBtu, enter that value in cell L6.
- If you do not have a natural gas supplier bill or report that shows the exact MMcf/MMBtu value, assume that 1 MMcf natural gas = 1050 MMBtu.

2. Emissions from Fermentation tab:

Fill in the green cells with your facility information and the yellow cells with your 2009 throughputs.

The spreadsheet assumes that 97.5% of the denatured EtOH that is 200 proof EtOH. If you have a more specific annual average facility-specific value, enter it in cell B13. Otherwise, use the default value of 0.975. Values should be entered as a decimal percentage. For instance 99% should be entered as 0.99.

3. Emissions from CO₂ Stack Test Data tab:

This tab needs to be completed by facilities that have had stack tests performed that include CO₂ data. Fill in the green cells with your facility information and yellow cells with any stack test data from tests conducted during 2009.

4. Emissions from CEM Data tab:

This tab needs to be completed by facilities with continuous emissions monitoring (CEM) equipment. Fill in the green cells with your facility information and yellow cells

with your 2009 CEM data. If your facility does not have a CEM or has a CEM for another pollutant that does not measure CO2, you do not need to complete this tab.

How do I submit the ethanol calculation spreadsheet?

After completion, the spreadsheet can be submitted by one of three ways:

- Electronically (SPARS Web) - Attach electronically to Form 1.0 of your Title V inventory or Form INV-1 of your Minor Source inventory
- Hard Copy - Print and attach to your Title V inventory or Minor Source Inventory
- For Minor Source ethanol facilities that are not required to complete a 2009 Minor Source Emissions Inventory, print the spreadsheet and mail to

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All Greenhouse Gas Emission spreadsheets must be submitted by March 31, 2010.

HELP!

For assistance, please contact:

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