

GHG Mandatory Reporting Rule



MSW Landfills



**Mark Komp
EPA Region 8
Colorado SWANA Presentation
January 19, 2010**

GHG Reporting Rule



Annual Reporting of GHG Emissions

All Sectors of the Economy

Monitoring and Reporting

No Controls

Begins 2010

MSW Landfills



Accepted Waste since 1980

Generating Methane (CH₄)

– 25,000 equivalent metric tons

Annual report on CH₄

– Generated and Destroyed

Measured or Estimated

Report due March 2011

MSW Landfills



Second Largest Man Made Source CH₄

65% of Total Waste

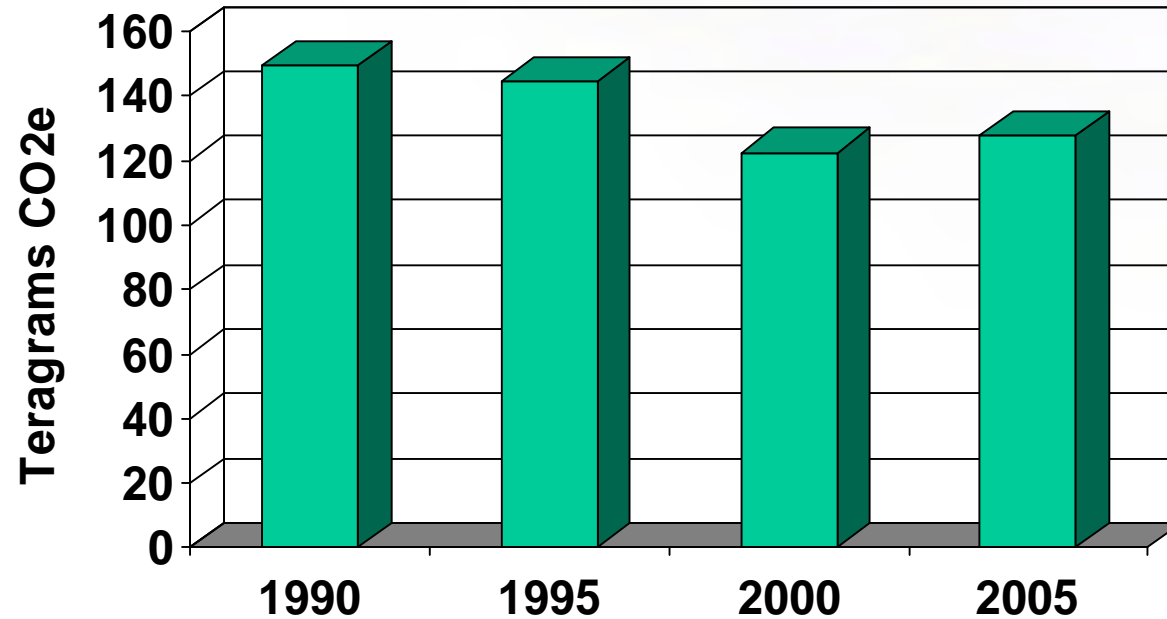
90 % of CH₄ Generated

22 times Global Warming Potential

MSW Landfills



Landfill Methane Production



Who Reports?



25,000 tons CO₂e

- 350,000 metric tons of waste in place

Does not include:

- Hazardous Waste
- Construction and Demolition
- Industrial

What is Reported?



CH₄ Emissions

- Landfill
- Gas Collection and Destruction Systems
 - Including flares

Gas to Energy Facilities

- CO₂ and N₂O

What is Reported?



Annual Summary

- Generation and Emissions
- Destruction
- CO₂ and N₂O Combustion Devices

Calculations



- Measured/Estimated Quantities
 - Percentage Organic
 - Soil Oxidation
- Gas Collection (Weekly/Continuous)
 - Flow Rate
 - Concentration
 - Temp. and Pressure.

Reporting and Recordkeeping



- Annual – March
 - Electronic Reporting
- Recordkeeping
 - 3 Years
 - Calibrations

2010 Reporting Year



- First 3 Months – BAMM
- April 1 – Regulation Applies
- Need More Time?
 - Apply by January 28, 2010
- 2011
 - Everybody on Board

Schedule for Monitoring and Reporting



1/1/10 Start collecting data using best available monitoring methods

1/28/10 Deadline for submitting application to extend use of best available monitoring methods

3/31/10 Monitors installed and calibrated

Begin using required monitoring methods (if extension not obtained)

12/31/10 Complete 2010 data collection

1/30/11 Submit certificate of representation

3/31/11 Submit GHG report for 2010

Ongoing Submit corrected report 45 days after each discovery

Ongoing Submit annual reports on 3/31 each year

Technical Assistance



- Applicability Tool
- Information Sheets/Checklists
- Trainings and Webinars

Additional Information



- www.epa.gov/climatechange/emissions/ghgrulemaking.html

- Mark Komp

- komp.mark@epa.gov

- 303 312 6022