Federal Greenhouse Gas (GHG) Reporting Program

NC Environmental Management Commission

November 18, 2010

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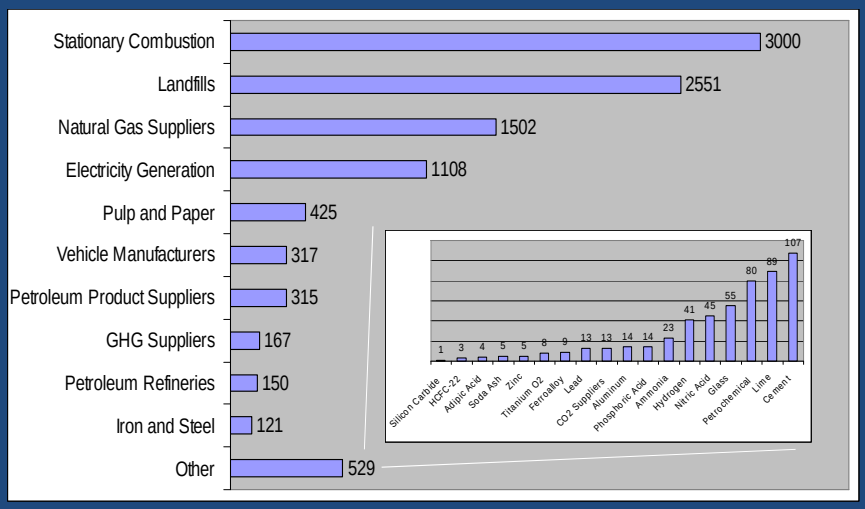
Rule Overview

- 40 CFR Part 98 published in Federal Register October 30, 2009
- Additional source categories added on July 12, 2010 (affects 2011 Reporting Year)
- Requires reporting of GHG emissions from
  - 29 source categories
  - 5 types of suppliers of fuel and industrial GHG
  - Motor vehicle and engine suppliers (except light duty sector)

Approximately 10,000 U.S. Facilities Covered



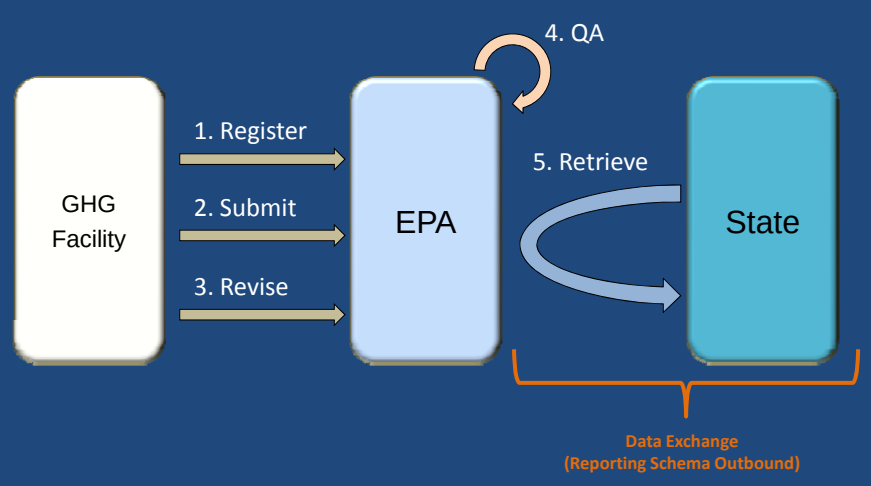
Reporting Basics

- 25,000 metric tons CO2e per year reporting threshold for most sources; capacity-based thresholds for some
- Monitoring began January 1, 2010; first reports due March 31, 2011
- Direct reporting to EPA electronically
- EPA verification of emissions data

Electronic Reporting System

- Electronic Greenhouse Gas Reporting Tool (e-GGRT) - under development
- Key Dates for 2010 reporting year
  - Facility Registration: Fall 2010
  - Facility Annual GHG Report: March 31, 2011
  - EPA releases GHG data to states/public: July 2011
- Confidential Business Information (CBI)
  - EPA proposed a rule to treat certain data elements reported as CBI; Final rule expected early 2011
  - EPA will publish a final list of CBI (and non-CBI) data elements
- XML Reporting Schema
  - Common electronic data exchange format to facilitate data sharing and comparison
  - Facility can directly upload data to EPA
  - EPA data sharing with other mandatory state reporting programs
    - Facilities subject to both federal and state GHG reporting requirements report once; EPA would then pass state-level data directly to applicable states

GHG Data Flow



Source: Windsor Solutions, Inc. as part of GHG Integrated Project Team (IPT)

State-EPA GHG Integrated Project Team (GHG IPT)

- Outbound Data Exchange (conceptual stage)
  - Facility specific reports published
  - Facility specific GHG data linked with criteria and hazardous air pollutants reported in Consolidated Emissions Reporting System (CERS) by States
  - Many unanswered questions about the look and feel of the final product(s)
- Applicability Determination
  - DAQ assisting EPA to develop a list of NC reporting facilities
  - DAQ conducting outreach to NC facilities through a separate EPA grant

Summary

- DAQ providing feedback to EPA as it develops data exchange system
- EPA plans to release 2010 data in June/July 2011
- Final format, completeness, usability… will not be known until July 2011
- Planned DAQ activities:
  - Continue to promote voluntary reporting (117 Title V and 67 non-Title V reported in 2008)
  - Outreach on emissions reporting and mitigation activities
  - Post NC specific data
    - GHG reporting module under development
    - Multi-pollutant emissions inventory at state level, facility level, and sector level for public use

Thank you

- Questions?
- Contacts

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