

The logo for the Indiana Department of Environmental Management (IDEM), featuring the acronym "IDEM" in a bold, blue, sans-serif font.

We Protect Hoosiers and Our Environment



# IDEM Update

December 7, 2011

Office of Pollution Prevention &  
Technical Assistance



**IDEM**

We Protect Hoosiers and Our Environment



THANK YOU to  
**Toyota Industrial Equipment  
Manufacturing**  
for hosting this meeting!



## Partners for Pollution Prevention

- Interested in joining the Partners?
- Opportunity to learn from other companies and share successes or lessons learned.
- Contact Susan Harrington for details  
[sharring@idem.IN.gov](mailto:sharring@idem.IN.gov).

The logo for the Indiana Department of Environmental Management (IDEM) is located in the top left corner. It features the acronym "IDEM" in a bold, blue, sans-serif font. Below the acronym is a green and blue graphic of the state of Indiana, with the text "Indiana Department of Environmental Management" and "EST. 1986" integrated into the design.

We Protect Hoosiers and Our Environment



Save the Date!

Partners for Pollution Prevention  
Quarterly Meeting  
March 7, 2012  
Rolls-Royce Corporation - Indianapolis



# Partners Recertification Reminder

- Recertification Forms for calendar year 2011 pollution prevention data - due by July 6, 2012.
- Forms will be emailed out in early January.
- Early submission is appreciated!



## IDEM Update

- New Staff :
  - Ernie Johnson, Environmental Stewardship Program Coordinator
  - Meredith Jones, E-waste Coordinator
  - Missy Shaber, Southeast Regional Office
  - Krista McKenna, CTAP

**IDEM**

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# Compliance and Technical Assistance Program

Stacey Pfeffer  
Branch Chief





## Small Business Regulatory Coordinator

- Tracks IDEM rulemakings
- Attends pollution control board meetings
- Posts monthly summaries of Indiana Register at: [www.idem.IN.gov/5490](http://www.idem.IN.gov/5490)
- Position is currently vacant.





# Regulatory and Compliance Update

- **Air**
  - Greenhouse Gas Permitting
  - Compliance Monitoring Rule Revisions
  - Air Permitting Rule Revisions
- **Water**
  - General Pesticide Permit
- **Compliance Calendar January – March**
  - Common reports and forms due to IDEM





## Greenhouse Gas Permitting

GHG includes the following:

- Carbon dioxide
- Nitrous oxide
- Methane
- Hydrofluorocarbons
- Perfluorocarbons
- Sulfur hexafluoride





## Greenhouse Gas Permitting

- Calculating PTE
  - Carbon dioxide equivalent (CO<sub>2</sub>e) represents GHGs for permitting purposes.

**Step 1:** multiply the mass amount of emissions in tpy for each of GHGs by the gas's global warming potential found in 40 CFR 98, Subpart A, Table A-1.

**Step 2:** the sum of each of the gases measured in Step 1 equals your CO<sub>2</sub>e.





## GHG Tailoring Rule

January 2, 2011:

- Existing PSD major sources with an emission increase of any NSR regulated pollutant and PTE  $\geq 75,000$  CO<sub>2</sub>e.
- New PSD major sources subject to PSD for another NSR regulated pollutant with PTE  $\geq 75,000$  CO<sub>2</sub>e.

July 1, 2011:

- PSD major source threshold = PTE  $\geq 100,000$  CO<sub>2</sub>e.
- PSD significant emission increase threshold = PTE  $\geq 75,000$  CO<sub>2</sub>e.
- Title V required for any source with PTE  $\geq 100,000$  CO<sub>2</sub>e.
- Existing minor sources must take GHG limit by July 1, 2012 to remain minor.





## Air Compliance Monitoring Rules

- Revisions to 326 IAC 3 became effective on September 11, 2011 (LSA # 05-330). Changes include, but are not limited to:
  - Requires alternative monitoring requests to be approved by the U. S. EPA in addition to IDEM.
  - Clarified that even if there are no excess emissions or monitor downtime in a reporting period, a report stating that must be submitted.
  - Added a list of exceptions when the CEMS/COMS is not required to be operating.
  - Requires supplemental monitoring if a CEMS/COMS is malfunctioning or will be down for calibration, maintenance, or repairs for  $\geq 24$  hours.
  - Clarified that emissions testing shall be conducted at 95% capacity or worst case emissions.
  - Added a requirement to include a summary table comparing test results with emission limits.
  - Clarifies when condensable PM<sub>10</sub> testing is required.





## Air Permitting Rules

- November 2<sup>nd</sup> the APCB approved final adoption of the Article 2 - Near Term Rulemaking. Changes include, but are not limited to:
  - Extended the MPR/MSM timeframe from 45 to 60 days.
  - Added AA for adding unit of the same type as already permitted to Registrations.
  - Clarified that removing or reducing monitoring, testing, record keeping, and reporting is a SPR/SPM .
  - Added language regarding new, alternative testing or compliance monitoring is an AA as long as no new EU or change to operations.
  - Clarified Woodworking SSOA observations and records required only when venting to the atmosphere.
  - Clarified PBR must obtain NSR approval first and is not available to major sources subject to a NESHAP.
- Fees in rule updated to match 2006 APCB action.





## NPDES Pesticide General Permit

- IDEM NPDES Pesticide General Permit for point source discharges from the application of pesticides to waters of the state became effective on October 31, 2011.
- NOI required for the annual treatment of 6,400 acres or more (cumulative for aduaticide for the calendar year)
  - When applied for the control of public health pests that have portion of their life in or above water.
  - When aerial or ground application of a pesticide over a forest canopy to control pests will unavoidably be applied/deposited to water.





## NPDES Pesticide General Permit

- NOI required for the annual treatment of 80 acres in water or 20 miles of ditch or water's edge.
  - When applied for the control of invasive of other nuisance weeds and algae in water and at water's edge.
  - When applied for the control of invasive or other nuisance animals in water and at the water's edge.
- NOI required for any treatment area if pesticide is applied to outstanding state resource waters designated in 327 IAC 2-1-2, 327 IAC 2-1-11, or 327 IAC 2-1.5-19.





# NPDES Pesticide General Permit

- NOI submittal deadline for all existing discharges from pesticide applications is **November 1, 2012**.
- For discharges beginning after November 1, 2012, an NOI must be submitted at least 10 days prior to commencement of the pesticide application.
- Fact Sheet available at:  
[www.idem.IN.gov/5338.htm#pesticide](http://www.idem.IN.gov/5338.htm#pesticide)





# Compliance Calendar January – March

## January

- Jan. 10: Monthly Report of Operation of Water Treatment Plant, form 3609 due.
- Jan. 15: Solid Waste Quarterly Reports due.
- Jan. 28:
  - Quarterly Non-Compliance Report due for delegated water Pretreatment Programs (unless otherwise permitted to submit report in February)
  - NPDES Monitoring Report forms (MMRs, MROs, CSO-DMRs and DMRs) due for the previous monthly monitoring period.





# Compliance Calendar January – March

## January continued

- Jan. 30:
  - Air Quarterly Deviation and Compliance Monitoring Report due for October through December. Check your permit to determine if you are on a quarterly or semi-annual reporting schedule.
  - Semi-Annual Air Compliance Monitoring Report due for July through December: Check your permit to determine if you are on a quarterly or semi-annual reporting schedule.
  - Quarterly Air Permit Reports (e.g., usage reports) due for October through December.
- Jan. 31:
  - CAIR Energy Efficiency/Renewable Energy Results (EE/RE) for 2010 due.





# Compliance Calendar January – March

## February

- Feb. 1: \*CAIR New Unit Allowance Applications for New Electric Generating Units and New Non Electric Generating Units for the Ozone Season due. (\*If cross state air pollution rule (i.e. Transport Rule) is not in effect.)
- Feb. 10:
  - Monthly Report of Operation of Water Treatment Plant, form 3609 due.
  - NPDES Monitoring Report forms (MMRs, MROs, CSO-DMRs and DMRs) due for the previous monthly monitoring period.
- Feb. 15: Large Quantity Generator annual operation fee due.
- Feb. 28: Quarterly Non-Compliance Report due for those delegated water Pretreatment Programs allowed to submit in February (otherwise due in January).





# Compliance Calendar January – March

## March

- March 1:
  - Annual Manifest Report due for Small Quantity Generators.
  - Tier II Reports due to the State Emergency Response Commission, the Local Emergency Planning Committee (LEPC), and Fire Department.
- March 15: NPDES Annual Bills due, or first quarter payment due if paying Annual Bill in quarterly installments.





## CTAP Contacts

Air/Air Toxics – David McIver/Mark Stoddard

Water – Krista McKenna

Solid/Hazardous Waste – Hani Sharaya/Susan Lowry

NRO – Jim Weingart

NWRO – Cathy Csatari

SWRO – Dave Abel

SERO – Missy Shaber

For more information about CTAP or to request assistance go to:

[www.idem.IN.gov/4108.htm](http://www.idem.IN.gov/4108.htm)

Or call us at:

(800) 988-7901

