



Air and Waste Management Association—Indiana Chapter Winter Technical Meeting December 9, 2010

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IN Department of Environmental Management



IDEM's Mission

We Protect Hoosiers and Our Environment

IDEM's mission is to implement federal and state regulations to protect human health and the environment while allowing the environmentally sound operations of industrial, agricultural, commercial and government activities vital to a prosperous economy.



How Does IDEM Protect Hoosiers and Our Environment?

- Develop regulations and issue permits to restrict discharges to the environment to safe levels.
- Inspect and monitor permitted facilities to ensure compliance with the permits.



How Does IDEM Protect Hoosiers and Our Environment?

- Use compliance assistance and/or enforcement when people exceed their permit levels or violate regulations.
- Educate people on their environmental responsibilities.



Performance Metrics Oct 2010

Quality of Hoosiers' Environment

% of Hoosiers in counties meeting air quality standards

% of CSO Communities with approved programs to prevent the release of untreated sewage

% of Hoosiers receiving water from facilities in compliance with safe drinking water standards

	Result	Target	Comments
% of Hoosiers in counties meeting air quality standards	100%	100%	80%
% of CSO Communities with approved programs to prevent the release of untreated sewage	94.4%	100%	20%
% of Hoosiers receiving water from facilities in compliance with safe drinking water standards	99.2%	99%	95%

93+9 (102) out of 98+9 (108)

Permitting Efficiency Total calendar days accumulated in issuing environmental permits, as determined by state statute

Land	20,070	66,565	86,864
Air	26,253	207,000	385,000
Water	14,377	48,000	200,000

* Places emphasis on back logged permits

Compliance Total percentage of compliance observations from regulated customers within acceptable compliance standards

Inspections	96.19%	97%	75%
Self reporting	96.86%	99%	95%
Continuous monitoring (COM)	99.84%	99.90%	99%

* Tracks observations and not just inspections



Performance Metrics June 2005

Quality of Hoosiers' Environment

% of Hoosiers in counties meeting air quality standards

	Result	Target	Comments	
% of Hoosiers in counties meeting air quality standards	61%	100%	80%	12 counties & 2,408,571 of 6,195,643 above standard
% of CSO Communities with approved programs to prevent the release of untreated sewage	4%	100%	20%	75% by 2007 is goal

Permitting Efficiency Total calendar days accumulated in issuing environmental permits, as determined by state statute

Land	100,013	66,565	86,864
Air	511,000	207,000	385,000
Water	301,000	48,000	200,000

* Places emphasis on back logged permits

Compliance Total percentage of compliance observations from regulated customers within acceptable compliance standards

Inspections	95.46%	97%	75%
Self reporting	97.11%	99%	95%
Continuous monitoring (COM)	99.19%	99.90%	98.95%

* Tracks observations and not just inspections

Organizational Transformation Budgetary agency dollars spent on key outside contracts for core agency functions.

Dollars spent on outside services per year	\$6,179,367	\$0	\$3,447,017
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Potential Regulatory Issues--Air

At the end of 2009, all of Indiana met every currently effective NAAQS for the first time since NAAQS were established in the 1970's.

- New 75 ppb 1 hour SO₂ Air Quality Standard.
- New 100 ppb 1 hour NO_x Air Quality Standard.
- U.S. EPA reconsideration of 0.075 ppm ozone Air Quality Standard.
- U.S. EPA review of the 15 microgram/cubic meter annual PM_{2.5} Air Quality Standard.
- U.S. EPA inaction on PM redesignation requests.



GHG Air Permits

- IDEM is using the expedited rulemaking process and emergency rulemaking to obtain the legal authority to issue the federally required GHG permits by 1/2/2011.
- We can use the same process to adjust the rule for any changes due to congressional or court action.



Indiana Clean Water Act Issues

- Environmental Group Petition for Withdrawal of Approval of the NPDES Program.
 - Antidegradation
 - General Permits
 - Coal Mines
- Intake Structures (316(b))
 - Currently, there are no applicable nationwide standards implementing Section 316(b) for existing power plants. As a result, best technology available (BTA) determinations must be made on a case-by-case basis, using best professional judgment.



Potential Regulatory Issues-Water

- Antidegradation regulations.
- Algae issues and nutrient regulations.
 - Great Lakes, Gulf of Mexico, Ohio River, Indiana lakes, rivers and reservoirs.
- Pesticide General Permit.
- Pharmaceuticals and other trace pollutants.
- IDEM action on the final five extended permits.
- More attention to the Great Lakes.



Potential Regulatory Issues--Land

- RISC guidance and regulations implementing HB1162.
- Coal combustion waste regulations.
- U. S. EPA to speed up review of pollutant risk evaluations.



Potential Regulatory Issues General

- Increased U.S. EPA emphasis on enforcement to improve environmental quality.
- U.S. EPA reevaluation of permitting decisions made during the past eight years.
- IDEM Outdoor Hydronic Heater Rule restart.
- Increased scrutiny of all coal related activities.
- Transparency.



Potential Regulatory Issues General

- U.S. EPA “initiatives.”
 - OECA/OW Shared Vision for Revamping the CWA NPDES Program to Improve Water Quality
 - Watershed Initiative
 - Urban Waters Initiative
 - Mountain top mining water quality “interim guidance”



2011 IDEM Legislative Agenda

- **No** fee increase proposals.
- IDEM Issuance of NPDES General Permits.
- Authorization to pursue delegation for U.S. ACE 404 and U.S. EPA UIC programs.
- Define duties and funding for SWMDs.
- EQSC study of funding for environmental programs.
- IDEM general bill that passed senate last year.



Thank You

Tom Easterly
Commissioner

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