



# Air Compliance Inspections

Patrick Burton

Indiana Department of Environmental Management

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**IDEM**

**We Protect Hoosiers and Our Environment**

**Air**



# Record Keeping



# Fuel Usage

- *Re-refined waste oil usage*
- *Natural gas usage*
- *Other fuels*



# Production Records

- *Hot mix production*
- *Cold mix production*



# Binder Usage

- *Gelled asphalt binder usage*
- *VOC solvent content by weight/month*
- *Amount of VOC solvent used in cold mix production*



# Monitoring Records

- *Baghouse entry temperatures (if required)*
- *Calibrations of measuring equipment*
- *Magnehelic gauges for pressure drop*
- *Scrubber flow meter calibrations (if applicable)*
- *Baghouse entry temperature thermocouple calibrations (if applicable)*
- *Daily visible emission notations from baghouse (or scrubber)*



# Monitoring Records (Cont'd.)

- *Daily baghouse (or scrubber) pressure drops*
- *Daily scrubber flow rates (if applicable)*



# Preventive Maintenance Plan

- *Equipment daily, weekly, monthly, quarterly, yearly checks*
- *Records of these checks*





# Stack Testing Results

- *Timing, schedule as compared to air permit requirement*



# Reports

- *Quarterly Reports*
- *Annual Compliance Certifications*



# Process Operations

- *Observe process while producing asphalt.*
- *Observe emissions from conveyor transfer system.*
- *Observe any fugitive dust from unpaved lots/driveways.*
- *Observe any fugitive dust from RAP.*
- *Observe any fugitive dust from cold mix asphalt storage piles.*



## Process Operations (Cont'd.)

- *Observe any fugitive dust during loading to outbound trucks.*
- *Verify use and function of control device (baghouse or scrubber) when producing asphalt.*
- *Verify that parts washers have lids closed when not in use and have posted operating requirements.*



## Process Operations (Cont'd.)

- *Verify that waste lids on buckets, etc. are closed.*
- *Verify baghouse (or scrubber) pressure drop.*
- *Verify scrubber flow rate (if applicable).*
- *Verify baghouse inlet temperature (if applicable).*



## Emission Units

- *Look at insignificant activities.*
  - *Storage tanks*
  - *Aggregate stock piles*
  - *Asphalt tank and heater*
  - *Hot oil heaters*
  - *Receiving bins/screening/conveying*
- *Verify that no equipment needing a permit exists.*



# Multi-Media

- *Office of Land Quality questions*
- *Office of Water Quality questions*



# Complaint Investigation (if applicable)

- *Explain nature of complaint.*
- *Discuss any corrective actions taken/to take.*
- *Could be odor, fugitive dust.*
- *If disruption to process, then look at Preventive Maintenance Plan.*





# Pollution Prevention

- *Office of Pollution Prevention and Technical Assistance resource files*
- *Go to [www.idem.IN.gov/6506.htm](http://www.idem.IN.gov/6506.htm) for resource files from website.*



# Portable Asphalt Plants

- *Must notify IDEM when moving.*
- *May be advantage for stationary source versus portable source.*



# Compliance History

- *Look at previous inspection report.*
- *Look at any Violation Letters/Enforcement Action Letters during period being inspected.*



**NOTICE OF INSPECTION**  
State Form 50890 (RS / 11-05)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
100 N. Senate Avenue  
Indianapolis, IN 46204-2251  
Telephone: (800) 451-6027 or (317) 232-8603

This is to notify you that on \_\_\_\_\_ an inspection of \_\_\_\_\_  
\_\_\_\_\_ was conducted by the undersigned representative of the Indiana Department  
of Environmental Management (IDEM), Office of \_\_\_\_\_

**Type of Inspection (may include more than one):**

- \_\_\_\_\_  Complaint
- \_\_\_\_\_  Multi-Media Screening Evaluation
- \_\_\_\_\_  Other \_\_\_\_\_

**Preliminary Inspection/Screening Findings:**

These findings are considered preliminary and identify specific compliance issues discovered during the above-noted inspection that the designated agent of IDEM believes may be a violation of a statute(s), rule(s) or permit(s) issued by IDEM.

**Single Media Inspection:**

- No violations were discovered with respect to the particular items observed during the inspection.
- Violations were discovered but corrected during the inspection.
- Violations were discovered and require a submittal from you and/or follow-up inspection by IDEM.
- Violations were discovered and may subject you to an appropriate enforcement response.
- Additional information/review is required to evaluate overall compliance.
- Other / Comments (attachment may be included) \_\_\_\_\_

**Multi-Media Screening (Please note that a multi-media screening is not a comprehensive evaluation of the compliance status of the facility):**

- Multi-media screening not conducted.
- No violations were discovered with respect to the limited multi-media screening conducted by IDEM.
- Potential violations were discovered but corrected during the inspection.
- Potential violations were discovered and may be further investigated.

**Pollution Prevention:**

Pollution prevention is the preferred means of environmental protection in Indiana. The goal of pollution prevention is to promote changes in business and commercial operation, especially manufacturing processes, so that Indiana businesses increase productivity, generate less environmental wastes, reduce their regulatory responsibilities and become more profitable. Your participation in Indiana's pollution prevention program is entirely voluntary. If you have any pollution prevention questions, you may contact our Office of Pollution Prevention and Technical Assistance (OPPTA) at (317) 232-8172 or (800) 988-7901, or visit OPPTA's Web site at [www.idem.IN.gov/oppta/p2/](http://www.idem.IN.gov/oppta/p2/). Would your company like to be contacted by IDEM's Office of Pollution Prevention and Technical Assistance?  Yes  No

**Compliance Assistance:**

In addition to the compliance assistance offered by IDEM's individual programs, IDEM's Compliance and Technical Assistance Program (CTAP) offers free, confidential compliance assistance to regulated entities, including small businesses and municipalities, throughout Indiana. In the future, if you would like to request free, confidential compliance assistance, call (317) 232-8172 or (800) 988-7901, or visit CTAP's Web site at [www.idem.IN.gov/ctap](http://www.idem.IN.gov/ctap).

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A summary of violations and concerns noted during the inspection was verbally communicated to the undersigned representative during the inspection. The facility should correct any violations noted as soon as possible. Violations identified and corrected during the inspection may still be cited as violations.

A written inspection summary will be provided within 45 days. In accordance with IC 13-14-5-4, matters not evident to IDEM at the time of the inspection might not be included in either the verbal or written inspection summary.

**IDEM Representative:**

Printed Name	Signature	Phone Number	Date	Time
				In:
				Out:

**Owner/Agent Representative:**

Printed Name	Signature	Title	Phone Number	Date



# Contact Information

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