



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

JAN 17 2018

REPLY TO THE ATTENTION OF:

Mr. Bruno L. Pigott  
Commissioner  
Indiana Department of Environmental Management  
100 North Senate Avenue  
Indianapolis, Indiana 46204

Dear Mr. Pigott:

The U.S. Environmental Protection Agency is pleased to enclose the Final Joint Assessment Report for the Indiana Department of Environmental Management (IDEM) 2015-2017 Environmental Performance Partnership Agreement (PPA) and Performance Partnership Grant (PPG) BG 98543214-E. This report, which was submitted by IDEM and reviewed by EPA, describes all activities and joint priorities for the PPA and related PPG from July 1, 2015 to June 30, 2017.

The report shows the accomplishments that EPA and IDEM have made on our mutual environmental agenda. EPA looks forward to continuing to work with IDEM to provide communities throughout Indiana with a safer, healthier environment.

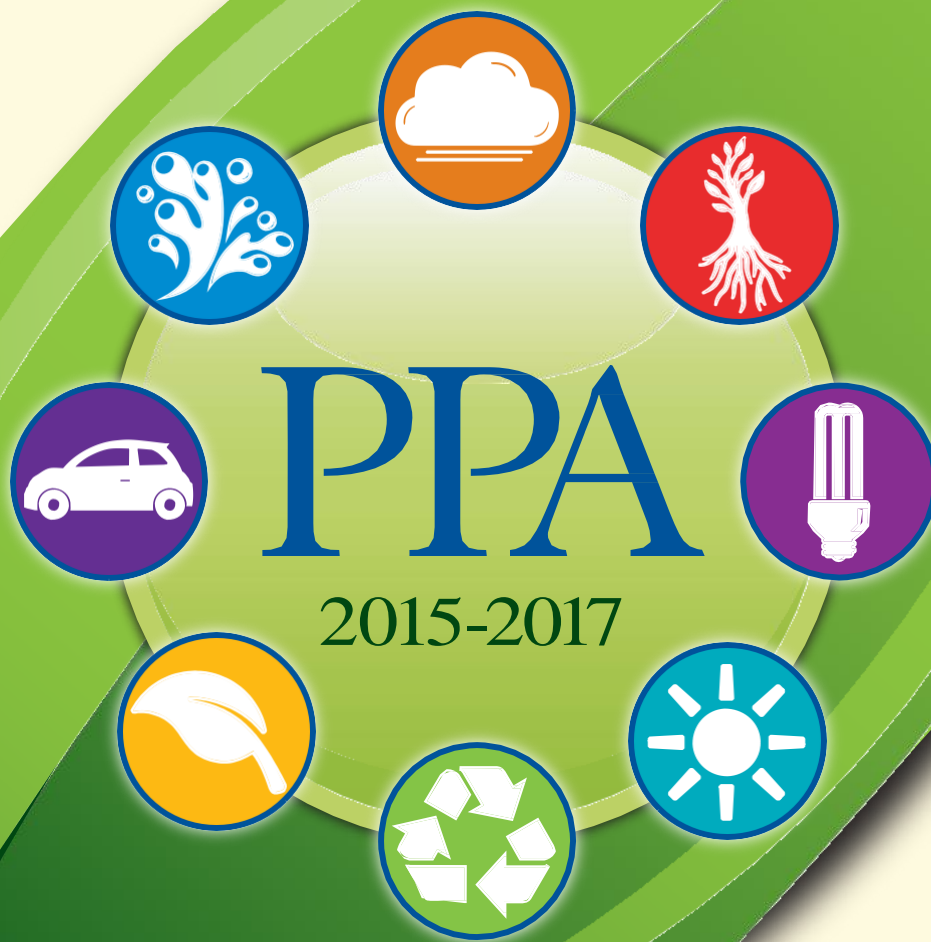
If you have any questions, please contact me at (312) 886-1499 or your staff may contact Allen Melcer, of the Land and Chemicals Division at (312) 886-1498.

Sincerely,

  
Cathy Stepp  
Regional Administrator

Enclosures

# Performance Partnership Agreement



Indiana Department of Environmental Management  
U.S. Environmental Protection Agency, Region 5



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

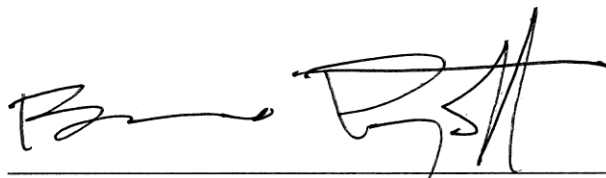


A State that Works

## Authorizing Signatures

The Indiana Department of Environmental Management and the U.S. Environmental Protection Agency, Region 5 2015-2017 Performance Partnership Agreement Final Assessment Report from July 1, 2015 to June 30, 2017 is approved on the date of the last signature received.

For the State of Indiana:

  
\_\_\_\_\_  
Bruno L. Pigott, Commissioner  
Indiana Department of Environmental Management

1/29/18  
\_\_\_\_\_  
Date

For the U.S. Environmental Protection Agency, Region 5:

  
\_\_\_\_\_  
Cathy Stepp, Regional Administrator  
U.S. Environmental Protection Agency, Region 5

1-17-18  
\_\_\_\_\_  
Date

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**Performance Partnership Agreement – Final Assessment Report  
between  
Indiana Department of Environmental Management  
and  
U.S. Environmental Protection Agency, Region 5  
July 1, 2015 – June 30, 2017**

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### **Purpose of the PPA**

The Indiana Department of Environmental Management (IDEM) and the U.S. Environmental Protection Agency, Region 5 (U.S. EPA R5) have entered into their 10<sup>th</sup> Performance Partnership Agreement (PPA). This biennial agreement identifies program specific priorities and joint priorities, and objectives between the two agencies. The purpose of this agreement includes:

1. Identifying joint priorities and specific program goals.
2. Outlining key strategies for each priority and goal.
3. Describing each agency's roles and responsibilities.
4. Setting the term of this agreement from July 1, 2015, to June 30, 2017.

The PPA is a product of the National Environmental Performance Partnership System (NEPPS), a joint initiative of U.S. EPA Headquarters (HQ) and the Environmental Council of States (ECOS). The objective of the NEPPS initiative is to strengthen protection of public health and the environment by directing limited resources toward a state's most pressing environmental issues. The PPA, formed under NEPPS, is designed to provide states and U.S. EPA HQ with flexibility in achieving environmental results and to enhance accountability in realizing environmental progress. The Performance Partnership Grant (PPG) is the federal grant used to fund many of the PPA activities.

### **Scope of the PPA**

The PPA primarily focuses on activities that are funded by PPG dollars. The scope of the PPA does not encompass the entire workload of each agency, but is designed to be a concise, strategic document used to focus limited resources on specific outcomes. In addition to the activities described within the PPA, IDEM has more detailed work plans to address and complete the elements committed to within this agreement.

### **Grants Covered Under the PPA**

IDEM utilizes the PPA to serve as the work plan for activities to be funded through the PPG. IDEM chooses to include non-PPG federal and state grant activities in the PPA as this structure has successfully provided IDEM more flexibility in the use of federal financial resources to address environmental issues using a multifaceted approach, and has reduced the administrative burden of having numerous specific categorical grants tied to work plans. The PPG allows for the continuance of key resource investments that have already been determined to be priority activities. All personnel costs for the 2015-2017 PPG will be provided in detail by individual program function in the budget narrative portion of the 2015-2017 PPG grant application.

The following PPG federal grant fund activities are included in the PPA:

1. Air Section 105
2. Public Water Supervision
3. Surface Water Section 106
4. Ground Water Section 106
5. Resource Conservation Recovery Act
6. Toxic Substances Control Act - Polychlorinated Biphenyls

The following non-PPG activities, funded by non-PPG federal grants, are included in the PPA:

1. Solid Waste Disposal Act of 1976
2. Counter Terrorism Safe Drinking Water Act
3. BioWatch – Homeland Security Act of 2002
4. Diesel Emissions Reduction Act

The following activities funded by state monies are included in the PPA:

1. Title V Operating Permits
2. Dedicated Asbestos Trust Fund
3. Water Quality Permits
4. Compliance Monitoring Strategy Funds
5. Permitting and Enforcement Grant
6. Outreach Operator Training
7. Total Maximum Daily Loads Fees

## **Fiscal Responsibility**

With the receipt of federal funds comes the responsibility to successfully track the achievements of the program and demonstrate results. To achieve the goals of transparent grants management, IDEM has incorporated standard operating procedures (SOPs), a grants management policy, and a grants data tracking system to direct the application, receipt, use and closeout of all grants the agency receives. This approach provides for easy information sharing and interaction between the awarding agencies and IDEM.

## **Development and Elements of the PPA**

The development process includes the following:

- a) **Draft Objectives and Activities:** An initial list of PPA activities is drafted by IDEM staff discussing and listing the past, present and future goals of each program area.
- b) **Draft Joint Priority List:** The draft joint priority list is developed from the initial draft of objectives and activities, focusing on those priorities that are funded primarily by U.S. EPA R5 grants.
- c) **Draft PPA:** The draft joint priorities are confirmed by IDEM senior staff and compiled into a draft PPA that is then shared with U.S. EPA R5 and the rest of the agency.

- d) **Kickoff Meeting:** The draft PPA is presented to U.S. EPA R5 during a kickoff meeting, with special time dedicated to the discussion of joint priorities.
- e) **Program Work Group Discussion:** Program work groups from both agencies will meet jointly to discuss work plans, goals and PPA priorities.
- f) **Final PPA:** The final PPA is a result of shared discussions and mutual agreement between the agencies.

The elements include the following:

1. **Accountability:** The PPA provides a framework for accountability by clearly identifying IDEM and U.S. EPA R5 actions, roles and program area contacts.
2. **Joint Assessment:** The PPA requires a joint assessment of the activity work plans. The joint assessment is comprised of two activities between IDEM and U.S. EPA R5: The Joint Assessment Meeting and the Joint Assessment (JA) Report. The meeting and report occur at the end of the first year of a PPA cycle and highlight successful program achievements, identify areas that need improvement and/or additional resources, and provide a mechanism for discussions and adjustments in specific program directions or approaches.
3. **Final Report:** The reporting elements of the PPA will be incorporated into a formal closure report, referred to in this agreement as the Final Assessment (FA) Report.
4. **Flexibility:** The PPA is viewed as a “living document” that is flexible and can be modified, upon agreement, to reflect changes in IDEM and U.S. EPA R5 needs.

## **Roles of IDEM and U.S. EPA R5**

This agreement defines the roles that both IDEM and U.S. EPA R5 will undertake to meet the program commitments. IDEM and U.S. EPA R5 recognize the primary role of IDEM is administering federal environmental programs delegated to the state under federal law and carrying out state programs prescribed under state law. U.S. EPA R5’s role in assisting IDEM includes: addressing multi-state or national issues directly, implementing programs not delegated to IDEM, and working on targeted sectors, watersheds or airsheds in conjunction with IDEM. Several activities are common to both IDEM and U.S. EPA R5, such as permitting, compliance, enforcement, monitoring and outreach.

## **Enforcement and Compliance Assurance**

Program specific compliance and enforcement activities accomplished during the term of this PPA are included in the detailed branch level priorities and the state program specific plans. The following tenets serve as the foundation for IDEM and U.S. EPA R5 relationships with respect to compliance and enforcement activities:

- Utilization of the most effective application of compliance tools to encourage regulated facilities to maintain and, where possible, exceed compliance with environmental laws (e.g., compliance assistance, compliance assurance, administrative/civil enforcement and criminal prosecution).
- Utilization of joint preplanning to coordinate priorities, maximize agency resources, avoid duplication of efforts, eliminate “surprises” and institutionalize communication.

- Management for internal and/or external environmental results.

In addition to providing guidance to IDEM, U.S. EPA R5 has a continuing role in environmental protection in Indiana. U.S. EPA R5 carries out its responsibilities in a variety of ways, including:

- Acting as an environmental steward, ensuring that national standards for the protection of human health and the environment are implemented, monitored and enforced consistently in all states.
- Assisting in conducting inspections and enforcement actions.
- Providing compliance and technical assistance to the state and its regulated entities.
- Providing science-based information to the state and its regulated entities.

Under this agreement, IDEM and U.S. EPA R5 retain their authorities and responsibilities to conduct enforcement and compliance assistance. Enforcement will be accomplished in the spirit of cooperation and trust. Specific federal enforcement and compliance assistance responsibilities include, but are not limited to, the following:

- Working on national priorities and regional priorities.
- Ensuring a level playing field and national consistency across state boundaries.
- Addressing interstate and international pollution (e.g., watersheds and ambient air).
- Addressing criminal violations.
- Conducting enforcement to assure compliance with federal consent decrees, consent agreements, federal interagency agreements, judgments and orders.
- Conducting state reviews in accordance with the National State Review Framework, ensuring that follow-up actions that resulted from this review are carried out in a timely and effective manner.

## **Environmental Justice**

The following tenet serves as the foundation for IDEM and U.S. EPA R5 relationships with respect to environmental justice (EJ): Utilization of consistently sound science and policy, and utilization of resources to aid all communities in being informed participants in decision-making that affects their environment, health, and well-being. IDEM is in a position to provide leadership in EJ policy development based on IDEM's principle that "All Hoosiers deserve clean air, water, and land." U.S. EPA R5 will provide advice, guidance, and resources to help effectuate EJ.

## **Quality Management Plans**

IDEM's Quality Management Plan (QMP) documents IDEM's current quality system for environmental data operations. IDEM's QMP, dated September 27, 2012, was approved by U.S. EPA R5 effective February 28, 2013, and will be valid for up to five years, through February 27, 2018. A revised and updated QMP must be submitted for U.S. EPA R5 review and approval not later than six months prior to expiration of the current approved QMP, or earlier if significant changes to IDEM's structure, operations, or quality system occur.



Under the approved QMP, IDEM will continue to self-approve all Quality Assurance Project Plans (QAPPs) and any other quality system documentation required by non-competitive assistance agreements and delegated programs. All QAPPs and associated quality system documentation required under competitive assistance agreements, by U.S. EPA R5 programs, and/or by federal statute to be approved by U.S. EPA R5 will be submitted as required for review and approval.

To allow U.S. EPA R5 to assess implementation of IDEM's approved QMP as well as quality activities related to assistance agreements, IDEM will submit the following information to the U.S. EPA R5 Quality Manager:

1. Electronic copies of all signed, self-approved QAPPs on a quarterly basis. IDEM, at their option, may upload QAPPs on an on-going basis to the U.S. EPA R5/Great Lakes National Program Office (GLNPO) QA Track database. U.S. EPA R5 will provide written feedback to IDEM on self-approved QAPPs submitted.
2. An annual report submitted by January 31 of each year, as required by the QMP, accompanied by a letter that confirms that the quality system documented in the approved QMP is still in effect, identifies any minor revisions incorporated in the QMP during the preceding year as well as any that are anticipated, and lists all QAPPs that were self-approved during the preceding year. IDEM and U.S. EPA R5 will continue their on-going periodic (currently quarterly) QA conference calls to share information intended to assist with implementation of IDEM's quality program. IDEM also participates in monthly Great Lakes Restoration Initiative (GLRI) QA conference calls chaired by the Great Lakes National Program Office Manager (GLNPO) QA Manager.

**JA Status:** (EPA comment) U.S. EPA Region 5: IDEM has fulfilled their commitments to date with respect to their QMP and quality program.

IDEM has consistently submitted their Quality Assurance (QA) annual report for several years. The annual report encompassing calendar year (CY) 2015 was submitted by IDEM on February 16, 2016 and amended on February 25, 2016. Region 5 provided written comments and feedback on IDEM's annual report and self-approved QAPPs via email in April 2016 with a closeout email in July 2016.

IDEM utilizes QA Track to electronically submit copies of their self-approved QAPPs, notifying the Region 5 QA Manager by email of any new submissions. The IDEM QA Manager is participating in a pilot with Region 5 Air & Radiation Division (ARD) to upload and store copies of IDEM's current air monitoring QA documents on QA/Track.

IDEM and Region 5 QA Managers continue conducting quarterly conference calls to share information on respective QA-related initiatives. In lieu of a quarterly conference call, IDEM and Region 5 held a one day in-person meeting in May 2016 at IDEM's Northwest Regional Office in Valparaiso, IN. IDEM regularly participates in GLNPO's monthly GLRI QA conference call.

The Region 5 QA Manager sent a reminder email on October 27, 2016 to the IDEM QA Manager regarding the CY 2016 annual report due on January 31, 2017 and the

upcoming revision of the IDEM QMP due to be submitted to Region 5 by August 26, 2017. Similar emails were sent to the other Region 5 state environmental agencies.

**FA Status:** (EPA comment) IDEM has consistently submitted their Quality Assurance (QA) annual report for several years. The annual report encompassing calendar year (CY) 2016 was submitted by IDEM in January 2017. Region 5 reviewed and approved the annual report in May/June 2017.

IDEM and Region 5 QA Managers continue conducting quarterly conference calls to share information on respective QA-related initiatives. IDEM regularly participates in GLNPO's monthly GLRI QA conference call.

IDEM is in the process of updating their QMP. They submitted a bulleted list highlight changes to the Regional QA Coordinator in October 2017 and expect to submit their full draft QMP by end of October 2017.

## Reporting

IDEM will continue to report to U.S. EPA R5 the necessary information, as required and agreed upon, including required timelines. It is recognized that reporting requirements beyond those specifically mentioned in this agreement do exist. Those requirements often relate to populating national databases or to tracking performance against priority activities identified in the internal IDEM work plans. These requirements may be embodied in a variety of existing agreements and are not reiterated in this agreement. IDEM will reference its website and other existing reports as supporting documentation for the PPA and the PPG. Both IDEM and U.S. EPA R5 will report through the JA and FA Reports.

Reporting through the JA Report and the FA Report is completed using the following status tools and a justification of that status for each performance measure:

1. **Complete.** The performance measure elements are complete.
2. **In progress.** The performance measure is progressing towards a specific goal, objective or deadline.
3. **Ongoing.** The performance measure is progressing and will be a continuing measure in the next PPA cycle.
4. **Incomplete.** The performance measure has not been adequately addressed.
5. **Project withdrawn.** The performance measure has been withdrawn due to stated reasons or fiscal constraints.

Along with contacts for both IDEM and U.S. EPA R5, at least one goal and objective from the FY 2014-2018 U.S. EPA's Strategic Plan is assigned to each activity to demonstrate IDEM's efforts to contribute to U.S. EPA's overall goals.

Additionally, the funding sources for each activity are indicated by one of the following:

1. **PPG.** Funds come from the PPG, including the state and federal match portions.
2. **State.** Funds come from the State of Indiana and no federal funds are received to support this measure.
3. **Federal.** Funds come from a federal grant other than the PPG, and, when possible, the specific grant is listed.

If IDEM is presented with a funding shortfall for any performance measure funded by federal dollars agreed upon or negotiated in the PPA, both parties reserve the right to renegotiate and discuss removal of performance measures from the PPA.

## **Joint Priorities**

Joint priorities represent a subset of environmental program responsibilities that IDEM and U.S. EPA R5 agree represent investment priorities.

Examples of joint priorities are as follows:

1. The program area is an important, newly developed initiative that requires the attention of both IDEM and U.S. EPA R5 to adequately develop and implement.
2. The program area is at risk of functioning inadequately, creating a significant vulnerability to the integrity of environmental protection.
3. The program area represents a long-term strategic investment opportunity.
4. The program area offers the opportunity to demonstrate innovations to promote environmental improvements or enable efficiency enhancements.

IDEM and U.S. EPA R5 have identified the following Joint Priorities:

### Air Quality Joint Priorities

Per mutual agreement, there are no new or existing priorities for the Air Program.

### Land Quality Joint Priorities

U.S. EPA R5 and IDEM will focus their efforts at Resource Conservation and Recovery Act (RCRA) Corrective Action sites that could recontaminate remediated sections of the Grand Calumet River. They will coordinate with the U.S. Army Corps of Engineers (USACE) for a timely application and decision regarding the disposal of Polychlorinated Biphenyls (PCBs) under the Toxic Substance Control Act (TSCA) at the Indiana Harbor confined disposal facility.

**JA Status:** Ongoing. RCRA Corrective Action measures are ongoing and the TSCA permit issuance is in progress.

Dredging of the canal began in approximately 2013. Sediment dredged and placed in the combined disposal facility (CDF) to date has been non-RCRA, non-TSCA (< 50 ppm PCBs) regulated materials. There are two areas of the canal that contain PCB impacted sediment with concentrations exceeding 50 ppm. To dispose of these TSCA-regulated sediments in the CDF, the USACE was required to submit, to the Agencies, a request for disposal approval {per 40 CFR 761.61(c) & 329 IAC 4.1-4-1}. The dredged sediment is solid waste, but because the requirements of a TSCA approval are more stringent than the requirements for a solid waste disposal facility, the decision was made several years ago to regulate the CDF under TSCA instead of the solid waste program. After the CDF is closed, a cap will need to be maintained and groundwater monitoring continued under the RCRA Subtitle C program.

Because the river is an important public resource, IDEM continues to protect it from recontamination in all media.

**FA Status:** The agencies are currently holding the TSCA approval in abeyance while they study the feasibility of an off-site option for disposal of the TSCA level material.

The feasibility study is being undertaken by EPA GLNPO, IDEM and IDNR (State Natural Resource Co-Trustees), and ArcelorMittal.

### Water Quality Joint Priorities

Continue to convert general permits-by-rule to administratively issued general permits.

- IDEM will coordinate the issuance of the general permits with the General Permit rulemaking to ensure all current permittees retain coverage.
- U.S. EPA R5 will work expeditiously to review the draft general permit language and once U.S. EPA R5 agrees, U.S. EPA R5 will issue a non-objection letter so IDEM can proceed with the public notice of the draft permit and subsequently the issuance of the final permit.

**JA Status:** Ongoing. The Office of Water Quality (OWQ) continues to convert the general permits by rule to administrative general permits. The first five (noncontact cooling; petroleum product terminals; ground water remediation; hydrostatic testing; sand and gravel) permits have been completed.

The administrative rules were updated to reflect the conversion of those first five permits. The other five (construction storm water; industrial storm water; coal mining; MS4; Allen County onsite systems) are in varying stages of drafting. Construction storm water has been reviewed by U.S. EPA, OWQ has responded to U.S. EPA's comments and is now meeting with external customers on the proposed changes and conversion to an administratively issued general permit.

**JA Status:** (EPA comment) Ongoing - EPA agrees with IDEM's update.

**FA Status:** Ongoing. OWQ continues to convert the general permits by rule to administrative general permits. The first five (noncontact cooling; petroleum product terminals; ground water remediation; hydrostatic testing; sand and gravel) permits have been issued along with notice of intents (NOIs).

The administrative rules were updated to reflect the conversion of those first five permits. The other five (construction storm water; industrial storm water; coal mining; MS4; Allen County onsite systems) are in varying stages of drafting. Construction storm water has been reviewed by U.S. EPA; OWQ has responded to U.S. EPA's comments and is now meeting with external customers on the proposed changes and conversion to an administratively issued general permit.

**FA Status:** (EPA comment) On October 12, 2017 EPA R5 received a response to EPA's October 11, 2016 letter to IDEM requesting additional information pertaining to the outstanding issues raised regarding the State's NPDES authority. This letter from IDEM provided a schedule for conversion of the remaining General Permits-by-Rule to Administrative General Permits. EPA R5 will continue to work with IDEM on this process as IDEM completes the remaining tasks necessary to complete this conversion.

### E-Enterprise Joint Priorities

U.S. EPA R5 and IDEM will work to collaboratively streamline and apply advanced technology across agencies and programs to make business processes more efficient and effective. E-Enterprise will be implemented by operating in a joint governance partnership to: 1) improve environmental protection through better program

performance by streamlining and modernizing business processes and promoting the use of advanced information and monitoring technologies; and 2) enhance services to stakeholders and partners while reducing transaction costs and burdens for the regulated community and governmental agencies.

**JA Status:** Ongoing. IDEM's goal is to continually improve both effectiveness and efficiency of its programs. As IDEM moves toward electronic data and document management it is also adding automation of workflow and streamlining of business processes. IDEM is working on this goal through its current use of SharePoint for permit development and workflow and through the use of the virtual file cabinet (VFC) for electronic records management. IDEM is building a portal that will allow for electronic submission of data and content.

**JA Status:** (EPA comment) EPA agrees with IDEM's update, and appreciates IDEM's initiative and will continue working collectively with IDEM.

**FA Status:** Ongoing. IDEM is continuing to pursue an enterprise Citizen Portal that would allow for complete ability to receive all forms of electronic content from the public and regulated community. IDEM has continued to enhance its in-house build portal for Permit Status Search, Online Complaints, Online Public Records Request, and the Virtual File Cabinet.

IDEM continues to be a lead state on partnership work including the awarded 2016 NEIEN grant for enhancing TEMPO for the NPDES eReporting Rule. IDEM is also in the process of applying for the 2018 NEIEN grant for the development of a Drinking Water Watch 2.0 reporting application that would interface directly with the Safe Drinking Water Information System (SDWIS) Prime and could be utilized by any state that is using SDWIS Prime. IDEM is actively working on recruiting partner states for involvement in developing the reporting tool for SDWIS Prime.

**FA Status:** (EPA comment) Same as above.

## **Joint Planning and Evaluation Process**

IDEM and U.S. EPA R5 both agree that it is important to clearly articulate how all the components of the performance partnership agreement are evaluated. In order to evaluate this agreement and complete the previous one, both agencies will participate in a joint planning and evaluation process. The process timeline is as follows:

### **Actions/Deadlines**

2015-2017 PPA begins	July 1, 2015
Final Assessment (FA) Report (2013-2015 PPA)	September 30, 2015
U.S. EPA R5 sends comments on FA Report (2013-2015 PPA)	December 2015
Joint Assessment Meeting (if needed) (2015-2017 PPA)	June 2016
Joint Assessment (JA) Report (2015-2017 PPA)	September 30, 2016
U.S. EPA R5 sends comments on JA Report (2015-2017 PPA)	December 2016
IDEM Senior Management Planning Meeting (2017-2019 PPA)	February 2017
IDEM and U.S. EPA R5 Kickoff Meeting (2017-2019 PPA)	March/April 2017
Draft PPA negotiated and finalized (2017-2019 PPA)	March-May 2017
2017-2019 PPA begins	July 1, 2017
FA Report (2015-2017 PPA)	September 30, 2017

### **The JA Report will:**

- Provide general discussion, measurements of outcomes and analysis of the environmental and programmatic results of each element.
- Identify emerging issues, environmental trends and strategies for improvement.
- Provide flexibility in both form and substance, as warranted by program performance.
- Seek to eliminate duplicative or unnecessary efforts and reporting.
- Respond with appropriate solutions, including redirecting goals and resources.

The success of each outcome of this agreement relies on clear, constructive communication and the commitment of IDEM and U.S. EPA R5 to work together to implement IDEM's Plan-Do-Check-Act model to solve problems and improve the programs. If any differences exist on specific issues or problems, IDEM and U.S. EPA R5 should move quickly to resolve them at the staff level or elevate the issue through the dispute resolution process.

The signing of the Authorizing Signatures page for the final PPA will be the U.S. EPA R5 Regional Administrator and the IDEM Commissioner. The U.S. EPA R5 Deputy Regional Administrator and the IDEM Commissioner will sign a similar Authorizing Signatures page to note the finalization of the JA and FA Reports. Hard copies of the documents shall be addressed to the U.S. EPA R5 Regional Administrator and mailed to the U.S. EPA R5 project officer.

### **Mutual Accountability**

The approach from direct oversight to mutual accountability and joint assessment is a shift from the traditional approach. IDEM and U.S. EPA R5 will jointly assess each program element and determine the appropriate course change as needed. U.S. EPA R5 will review and act on new regulations in program areas that impact Indiana's authorization or where federal statute or regulation requires U.S. EPA R5 review and approval of state actions (e.g., water quality standards).

### **Dispute Resolution Process**

IDEM and U.S. EPA R5 will use the following agreed-upon dispute resolution process to handle the conflicts that may arise during the execution of this agreement. The resolution process will be treated as an opportunity to improve joint efforts and not as an indication of failure. For the purpose of this agreement, the following definitions will apply:

- **Dispute:** Any disagreement over an issue that prevents a matter from going forward.
- **Resolution Process:** A process whereby the parties move from disagreement to agreement over an issue.

### **Informal Dispute Resolution Guiding Principles**

- Recognize conflict as a normal part of the state/federal relationship.

- Approach disagreement as a mutual problem requiring efforts from both agencies to resolve.
- Approach the conflict as an opportunity to improve joint efforts.
- Aim for resolution at the staff level, while keeping management informed.
- Disclose underlying assumptions, frames of reference and other driving forces.
- Clearly differentiate positions and check understanding of content and process with all appropriate or affected parties.
- Document discussions to minimize future misunderstandings.
- Pay attention to time frames and/or deadlines and escalate quickly when necessary.

### **Formal Conflict Resolution**

There are several formalized programmatic conflict resolution procedures that may need to be invoked if the informal route has failed to resolve all issues. Examples include:

- 40 CFR 31.70 (outlines the formal grant dispute procedures).
- National Pollutant Discharge Elimination System (NPDES) conflict resolution procedure.
- Superfund program dispute resolution contract that provides neutral third parties to facilitate conflict resolution for projects accepted into the program.

For matters involving this agreement, the following procedures will be utilized:

1. **Principle:** Disputes should be resolved at the front line or staff level, when feasible.
2. **Time frame:** Disputes should be resolved as quickly as possible and within two (2) weeks of the issue arising at the staff level. If unresolved at the end of two (2) weeks, the issue should be raised to the next staff level of each agency.
3. **Escalation:** When there is no resolution of the issue and the two (2) weeks have passed, there should be comparable escalation in each agency, accompanied by a statement of the issue and a one-page issue paper. A conference call between the parties should be held as soon as possible. Disputes that need to be raised to a higher level should again be raised in comparable fashion in each agency, until resolution is obtained.

### **Environmental Conditions in Indiana**

While objective environmental quality measurements show that Hoosiers and the environment are safer today than at any time since data has been collected, a number of environmental challenges still need to be addressed. IDEM's history shows that IDEM can continue to build on its improvements in order to protect Hoosier health and our environment. Below are steps IDEM has taken to provide a cleaner, healthier Indiana for all Hoosiers.

### **Air**

Indiana's air quality has improved significantly during the last 30 years. Regulatory programs aimed at emission reductions for vehicles and industry have reduced smog and dust levels throughout the state. Voluntary programs, such as ozone education and awareness, diesel retrofits and anti-idling policies, have played an important role in improving Indiana's air quality. In 2009, for the first time since air quality standards were developed in the 1970s, all Hoosiers were breathing air that met current health based standards. A 2015 report, *State's View of the Air*, shows the downward trend of air pollution continuing in the Hoosier state.

IDEM has been operating an air toxics monitoring network to measure and track hazardous air pollutants since 1999. IDEM has adopted into state law the national emission standards for hazardous air pollutants, which provide industry-specific control technology requirements, so that the state can enforce these federal standards, reducing Hoosiers' exposure to harmful air toxics. IDEM will continue to work to reduce pollutant levels so every Hoosier has healthy air to breathe.

## **Land**

Considerable progress has been made by IDEM's Office of Land Quality (OLQ). Regulations, compliance and enforcement programs aimed at addressing entities that treat, store, generate or dispose of contaminants have had significant impact on the quality of land in Indiana.

In addition to other programs, IDEM has, and will continue to, focus on corrective actions at hazardous waste facilities and leaking underground storage tank sites. Considerable resources have been focused on obtaining and addressing the environmental indicators established through the Government Performance and Results Act. In addition to corrective actions, IDEM is working to more accurately identify owners and operators of underground storage tanks and provide assistance to assure compliance with tank regulations.

A major priority for IDEM has been work on the Grand Calumet River and Indiana Harbor Shipping Canal. IDEM provides technical assistance and permit review for the U.S. Army Corp of Engineers (USACE) Federal navigational dredging project in the Indiana Harbor Shipping Canal. Dredging commenced in September 2012, and will continue for the next thirty (30) years. IDEM will continue to assist the USACE with all applicable permitting and technical issues throughout the project. IDEM will also continue to fulfill its role as beneficiary to settlement trust funds from the 1990 bankruptcy of the former East Chicago, Indiana (ECI) Facility in East Chicago. These funds are administered by the East Chicago Waterway Management District for the cleanup of the ECI properties and long term monitoring and maintenance of the on-site CDF. IDEM reviews and approves the use of the funds.

Along with educating and providing technical assistance to businesses and communities, IDEM's work to issue permits, conduct inspections, respond to accidental spills and oversee cleanups continues to foster marked improvement in the state's land quality each year.

## **Water**



IDEM continues to monitor and assess water quality and to identify general causes and sources of surface water impairments within the state. Many of the specific outputs listed within the water work plan section of this agreement are intended to focus on and address water impairments. IDEM will continue to develop total maximum daily load (TMDL) calculations for priority classes of waters as identified for U.S. EPA's TMDL vision and as required by Section 303(d) of the federal Clean Water Act, to identify sources contributing to the impairment of Indiana's surface water. Additionally, IDEM issues 401 Water Quality Certifications to ensure Indiana's water quality standards are met.

IDEM is a national leader in issuing National Pollutant Discharge Elimination System (NPDES) permits and maintains exemplary compliance and enforcement of those permits, including storm water discharges covered by general permits, to reduce water impairments resulting from point sources. Additionally, IDEM has made significant progress on tracking long term control plan (LTCP) implementation to reduce the incidence of combined sewer overflows (CSOs), which also contribute to the impairment of Indiana's waters.

Reduction of impairments is critical for the protection of Indiana's public water supply systems (PWSSs). IDEM has assessed most of Indiana's PWSSs to inventory potential contaminants and determine water system susceptibility to contamination. IDEM works with PWSSs to help them understand the assessment information and develop and implement plans to protect drinking water sources and maintain compliance to ensure safe water is delivered to the public.

IDEM's Office of Water Quality (OWQ) is committed to meeting its obligations outlined within this agreement. OWQ is working to identify additional resources necessary to meet those commitments, including trade-offs that may result in discussions during the execution of this agreement.

## **Outlook**

Indiana, in partnership with U.S. EPA R5 and other stakeholders, can be proud of its environmental record, but must be ready for continuing challenges. This agreement, addressing near-term focus points and program specific elements and corresponding work plans, is designed to outline those commitments. The outcomes are intended to improve environmental conditions in the State of Indiana and provide a mechanism to track the improvement.

# Work Plans for Joint Priorities and Program Goals and Objectives

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## Office of Air Quality (OAQ)

While U.S. EPA R5 has established goals for each objective, the tasks covered do not always encompass all phases of the goal. For example, many objectives are listed under the goal “Taking action on climate change and improving air quality.” In many cases the actual tasks do not cover any activities related to climate change.

**JA Status:** (EPA comment) EPA concurs with IDEM’s Air Program update, and offers the comments listed below.

**FA Status:** (EPA comment) Same as above.

Title V Operating Permits (TVOPs) and Prevention of Significant Deterioration (PSD)/Nonattainment New Source Review (NA NSR) Construction Permits			A-1
IDEM Contact(s): Matt Stuckey		U.S. EPA R5 Contact(s): Genevieve Damico	Due Date: Ongoing
U.S. EPA R5 Role: Provide program assistance.			
Goal 1:	Taking action on climate change and improving air quality.		
Objective 1.1:	Address climate change.		
Objective 1.2:	Improve air quality.		
Funding:	State fees for Title V; and U.S. EPA R5 with state match for PSD/NA NSR programs.		

Issue all TVOPs and PSD/NA NSR permits in a timely manner consistent with federal and state requirements:

- a) Track progress of all TVOP applications received by IDEM.

**JA Status:** Ongoing. All applications are tracked in IDEM’s permit database and progress for each permitting action is documented in that system. Through this system IDEM has real-time data about each pending permit, including calendar days in-house, dates of public notice, dates of U.S. EPA review, and any notices of deficiency issued to the applicant.

**FA Status:** Ongoing. Same as above.

- b) Timely issuance of all TVOPs – IDEM will ensure progress is made on all pending initial TVOP applications.

**JA Status:** Ongoing. Routine meetings between staff and managers are conducted to ensure that progress is made on all permits pending with the Office of Air Quality (OAQ). Weekly, monthly, quarterly, semi-annual and annual reports are run to track progress and ensure that permits are on schedule to be issued in the prescribed timeframes. IDEM issues virtually all of its permits within the required time periods.

**FA Status:** Ongoing. Same as above.

- c) Timely issuance of all TVOP renewals – IDEM will ensure progress is made on all pending TVOP renewal applications so that these renewals are issued prior to the expiration of their current TVOP, or so that late applications are issued within nine (9) months of receipt of the application.

**JA Status:** Ongoing. Routine meetings between staff and managers are conducted to ensure that progress is made on all permits pending with OAQ. Weekly, monthly, quarterly, semi-annual and annual reports are run to track progress and ensure that permits are on schedule to be issued in the prescribed timeframes. IDEM issues virtually all of its permits within the required time periods.

**FA Status:** Ongoing. Same as above.

- d) IDEM will provide semi-annual updates to the Title V Operating Permit System (TOPS) database by January 31 and July 31 of each year.

**JA Status:** Ongoing. OAQ consistently provides the TOPS reports before the January and July deadlines each year.

**FA Status:** Ongoing. Same as above.

- e) Provide quarterly updates to the Reasonably Available Control Technology/Best Available Control Technology/Lowest Achievable Emission Rate (RACT/BACT/LAER) Clearinghouse (RBLC) for each PSD/NA NSR permit issued.

**JA Status:** Ongoing. OAQ's protocol is that entries for the RBLC are completed at the time the permit is issued. Through this protocol, IDEM is current in the RBLC and continue to add new determinations at the time of issuance. There is no backlog.

**FA Status:** Ongoing. OAQ's protocol is that entries for the RBLC are completed at the time the permit is issued. Through this protocol we are current in the RBLC and continue to add new determinations at the time of issuance so there is no backlog. EPA recently informed us that they would no longer support the standalone editor. This will likely slow IDEM's efforts to input this data. We will evaluate our options and work with EPA to determine how best to address this change and ensure that we continue to be timely in our updates.

- f) IDEM will identify issues and U.S. EPA R5 will provide program assistance for TVOPs, PSD/NA NSR permits, and synthetic minor permits as necessary.

**JA Status:** Ongoing. OAQ has regular monthly calls with U.S. EPA R5 and when necessary, will request input or assistance through e-mails or phone calls. This approach provides sufficient access to U.S. EPA R5, and allows IDEM to work through any issues that arise as part of the permit development.

**FA Status:** Ongoing. Same as above.

- g) Participate with U.S. EPA R5 in a permit program evaluation in FY16.

**JA Status:** Ongoing. U.S. EPA R5 met with representatives of IDEM/OAQ's Permits Branch, in Indianapolis, on October 26<sup>th</sup> and 27<sup>th</sup>, 2015 to conduct its program evaluation for FY16. The draft summary was provided to IDEM in April 2016 and IDEM responded with comments in May 2016. To date, IDEM is not aware if the final version of this summary report has been approved.

**FA Status:** Complete. U.S. EPA met with representatives of IDEM/OAQ's Permits Branch in Indianapolis, on October 26th and 27th, 2015 to conduct its program evaluation for FY16. The draft summary was provided to IDEM in April 2016 and IDEM responded with comments in May 2016. A final report was sent to IDEM.

**JA Status:** (EPA comment) EPA considered IDEM's comments and provided the final evaluation report on August 4, 2016.

**FA Status:** (EPA comment) Same as above.

Compliance Monitoring Strategy (CMS) for Title V and Federally Enforceable State Operating Permit (FESOP) A-2		
IDEM Contact(s): Phil Perry	U.S. EPA R5 Contact(s): Nathan Frank, Debra Flowers, and Rochelle Marceillars	Due Date: September 30, 2017
U.S. EPA R5 Role: Review Clean Air Act Stationary Source Compliance Monitoring Strategy (CMS) Policy and work closely with OAQ staff to ensure any issues are satisfactorily addressed.		
Goal 5:	Enforcing environmental laws.	
Objective 5.1:	Enforce environmental laws.	
Funding:	Dedicated Title V Fund	

Develop and implement the Clean Air Act Stationary Source Compliance Monitoring Strategy (CMS) Plan for Title V and Federally Enforceable State Operating Permitted (FESOP) source inspections and compliance evaluations consistent with the Clean Air Act Stationary Source Compliance Monitoring Strategy, July 2014.

- a) Submit CMS Plan for review and negotiation with U.S. EPA R5 by August 31, 2015 for FY 2016, and August 31, 2016 for FY 2017. Implementation of the final CMS Plan for FY 2016 will begin on October 1, 2015 and on October 1, 2016 for FY 2017. The CMS Plan will meet The Clean Air Act Stationary Source Compliance Monitoring Strategy, July 2014 policy. The CMS source category and frequency flags will be completed by IDEM for the Title V major and synthetic minor with the potential to emit at or above 80% major source threshold (SM80) source universe in the Integrated Compliance Information System - Air (ICIS-Air) by November 30, 2015, for FY 2016 and November 30, 2016, for FY 2017.

**JA Status:** Ongoing. IDEM's FY 2016 CMS Plan was submitted on August 28, 2015. IDEM's FY 2017 CMS Plan is on target to be submitted by August 31, 2016. Implementation of the IDEM's FY 2016 CMS Plan began on October 1, 2015 and IDEM is on target to complete the FY 2016 CMS Plan by September 30, 2016. The CMS source category and frequency flags were completed in ICIS-Air by November 30, 2015.

**FA Status:** Ongoing. IDEM's FY 2016 CMS Plan was submitted on August 28, 2015. IDEM's FY 2017 CMS Plan was submitted by August 30, 2016. The FY 2017 CMS Plan was revised on January 17, 2017 to address reporting issues of Indiana's 5 mega-sites and their contractors that have separate source identification numbers. Implementation of the IDEM's FY 2016 CMS Plan began on October 1, 2015 and was completed by September 30, 2017. Implementation of the IDEM's FY 2017 CMS Plan began on October 1, 2016 and will be completed by September 30, 2017. The CMS source category and frequency flags were completed in the Integrated Compliance Information System - Air (ICIS-Air) by November 30, 2015, for FY 2016 and November 30, 2016, for FY 2017.

- b) U.S. EPA R5 shall submit a written response to IDEM concerning the CMS plan by December 31, 2015, for FY 2016 and December 31, 2016, for FY 2017.

**JA Status:** Ongoing. U.S. EPA R5 approved IDEM's FY 2016 CMS Plan on February 23, 2016. IDEM's FY 2017 CMS Plan is due August 31, 2016.

**FA Status:** Complete. U.S. EPA R5 approved IDEM's FY 2016 CMS Plan on February 23, 2016 and approved IDEM's FY 2017 CMS Plan on December 9, 2016.

**JA Status:** (EPA comment) IDEM submitted the FY 2017 CMS Plan on August 30, 2016. EPA approved IDEM's FY 2017 CMS Plan on September 22, 2016 and the written response will be prepared and submitted to IDEM no later than December 31, 2016.

**FA Status:** (EPA comment) Complete.

- c) Implement the CMS plan for full compliance evaluations:
- Conduct full compliance evaluations of Part 70 sources once every two (2) years, except mega-sites, gas compressor stations and gas turbines facilities.
  - Mega-sites will be identified in the CMS plan and a full compliance evaluation of those sites will be conducted once every three (3) years.

- Gas compressor stations and gas turbines facilities will be identified in the CMS plan and full compliance evaluations of those sites will be conducted once every five (5) years.
- Conduct full compliance evaluations of all FESOP sources once every five (5) years, except as noted in the CMS.
- In those years where full compliance evaluations are not conducted, partial compliance evaluations will be completed, including review of annual compliance certifications, review of quarterly deviation reports, review of emergency reports and review of the various emissions reports.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch conducted 218 full compliance evaluations at Part 70 sources and 138 full compliance evaluations at FESOP sources during the first three quarters of FY 2016 (October 1, 2015 – June 30, 2016). The Air Compliance and Enforcement Branch continues to conduct full compliance evaluations on Part 70 and FESOP sources beyond the CMS. These full compliance evaluations are reported in the ICIS-Air database on a monthly basis. Mega sites and gas compressor station full compliance evaluations are conducted as part of Part 70 and FESOP sources noted above.

The Air Compliance and Enforcement Branch and Regional Offices have reviewed 334 of the 541 Part 70 annual compliance certifications (ACCs) received in the first three quarters of FY 2016 (October 1, 2015 – June 30, 2016) and reviewed 346 of the 522 FESOP ACCs received for the same period. It should be noted that ACCs are submitted and reviewed on a calendar year basis so there will always be a lag reporting completed ACC reviews for the PPA. The branch continues to review 2015 Part 70 and FESOP ACCs received in calendar year 2016.

The branch continues to conduct partial compliance evaluations including review of stack tests, continuous opacity and emissions data, quarterly deviation reports, review of emergency reports, and review of the various emissions reports.

**FA Status:** Ongoing. The Air Compliance and Enforcement Branch completed all full compliance evaluations at Part 70 sources and FESOP sources for FY 2016. The Air Compliance and Enforcement Branch and Regional Offices continues to conduct full compliance evaluations at Part 70 sources and FESOP sources for FY 2017 and will be completed by September 30, 2017. The Air Compliance and Enforcement Branch continues to conduct full compliance evaluations on Part 70 and FESOP sources beyond the CMS. The full compliance evaluations are reported in the ICIS-Air database on a monthly basis. Mega-sites, their contractors that have separate source identification numbers, gas compressor stations, and gas turbine generating stations full compliance evaluations are conducted as part of Part 70 and FESOP sources noted above.

The Air Compliance and Enforcement Branch and Regional Offices continue to review Part 70 and FESOP annual compliance certifications (ACCs) received each calendar year. The ACCs and the reviews are reported to the ICIS-Air database on a monthly basis. ACCs are submitted and reviewed on a calendar year basis so there will always be a lag reporting completed ACC reviews based on the federal fiscal year used for the PPA.

The branch continues to conduct partial compliance evaluations including review of stack tests, continuous opacity and emissions data, quarterly deviation reports, review of emergency reports, and review of the various emissions reports.

**JA Status:** (EPA comment) As of November 2, 2016, IDEM's Air Compliance and Enforcement Branch (CEB) reported to ICIS-Air 245 full compliance evaluations at part 70 sources and 137 full compliance evaluations at FESOP sources for FY 2016 (October 1, 2015 – June 30, 2016).

Due to some mapping adjustment from ACES to ICIS-Air, IDEM's Annual Compliance Certifications (ACC) review count may not be accurate in ICIS-Air. As of November 2, 2016 IDEM's-Air CEB and Regional Offices reported the review of 1069 Part 70 ACCs from October 1, 2015 – June 30, 2016. This total number may also include ACC revisions reviewed.

**FA Status:** (EPA comment) As of October 16, 2017, IDEM's CEB reported to ICIS-Air 250 full compliance evaluations at Part 70 sources and 122 full compliance evaluations at FESOP sources for FY2017 meeting both commitments for FCEs in their CMS plan.

As of October 16, 2017 IDEM's-Air CEB reported the review of 1107 Part 70 ACCs from October 1, 2016 – September 30, 2017. This total number may also include ACC revisions reviewed. However, the States have until November 30, 2017, to have all MDRs reported to ICIS-Air.

- d) Submit compliance and enforcement information within the standards required for reporting per The Clean Air Act Stationary Source Compliance Monitoring Strategy, July 14, 2014 (CMS), The Clean Air Act National Stack Testing Guidance, April 27, 2009, Timely and Appropriate Enforcement Response to High Priority Violations - Revised 2014 (HPV policy), The Guidance on Federal Reportable Violations for Clean Air Act Stationary Sources – September 2014 (FRV policy), and the current Information Collection Request (ICR) for ICIS-Air. Ensure data is complete, accurate, timely, and that data is consistent with U.S. EPA policies and guidance.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch continues to upload data from ACES to ICIS-Air on a monthly basis exceeding the 60-day standard. The branch also directly inputs HPVs (and non-HPV cases of regulated facilities) into ICIS-Air as HPVs/enforcement are identified or updated. The Air Compliance and Enforcement Branch continue to work with U.S. EPA to ensure the data is complete, accurate, and timely. Issues are discussed during the bi-monthly U.S. EPA/IDEM Compliance and Enforcement and Data Management conference calls and through HPV e-mails and calls. The Air Compliance and Enforcement Branch's Enforcement Data Steward reviews all current and recently closed enforcement cases on a monthly basis. Updates are made to IDEM's enforcement database (METS). ICIS-Air is manually updated monthly with all required Minimum Data Requirements (MDR) entries based on data from METS.

**FA Status:** Ongoing. Same as above.

**FA Status:** (EPA comment) Ongoing.

- e) Respond to complaints, including those referred from U.S. EPA R5. Inspections are conducted where necessary.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch has responded to 545 complaints in the first three quarters of FY 2016 (October 1, 2015 – June 30, 2016). The branch and Regional Offices continue to respond to all complaints including those referred from U.S. EPA R5.

**FA Status:** Ongoing. The Air Compliance and Enforcement Branch responded to 757 complaints in FY 2016 (October 1, 2015 – September 30, 2016) and has responded to 693 in FY 2017 so far (October 1, 2016 through August 31, 2017). The branch and Regional Offices continue to respond to all complaints including those referred from U.S. EPA R5.

**FA Status:** (EPA comment) Complete.

- f) U.S. EPA R5 will provide compliance and enforcement support and guidance and make training available to IDEM staff, as needed.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch and U.S. EPA R5 hold bi-monthly compliance, enforcement, data management and reporting conference calls. During the conference calls, compliance issues, enforcement issues, HPV cases, data deficiencies support, and guidance are discussed. The U.S. EPA provided the following training: CEDRI Overview Training, Exchange Network and E-Enterprise Open Call, and Revised HPV Policy Refresher Training.

**FA Status:** Ongoing. The Air Compliance and Enforcement Branch and U.S. EPA R5 hold bi-monthly compliance, enforcement, data management and reporting conference calls. During the conference calls, compliance issues, enforcement issues, HPV cases, data deficiencies support, and guidance are discussed.

The U.S. EPA provided the following training: CEDRI Overview Training, Exchange Network, E-Enterprise Open Call, Revised HPV Policy Refresher Training, Introduction to ECHO Webinar, ePermitting ROI Calculator, The ECHO Clean Air Tracking Tool (ECATT), FY 2016 Data Verification Training Webinar, and periodic ICIS-Air conference calls.

**FA Status:** (EPA comment) Complete.

- g) Prepare enforcement cases according to IDEM's Compliance and Enforcement Response Nonrule Policy (CERP) and guidance, and U.S. EPA's Timely and Appropriate Enforcement Response to High Priority Violations (HPV policy) – Revised 2014. IDEM will review findings and prepare enforcement cases according to the HPV Policy, IDEM CERP and guidance, and the IDEM Civil Penalty Nonrule Policy for noncompliance with statutes, rules or permits.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch continue to review and follow IDEM's guidance and U.S. EPA's Timely and Appropriate Enforcement Response to High Priority Violations (HPV) Policy to prepare enforcement cases and follow-up, as appropriate. Violations are referred for enforcement consistent with the CERP and HPV Policy. A total of 106 Notice of Violations were signed during first three quarters of FY 2016 (October 1, 2015 – June 30, 2016) and a total of 105 Agreed Orders were adopted during the same period. The branch continues to review findings and prepare enforcement cases according to the HPV Policy and the Civil Penalty Policy.



**FA Status:** Ongoing. The Air Compliance and Enforcement Branch continue to review and follow IDEM's guidance and U.S. EPA's Timely and Appropriate Enforcement Response to High Priority Violations (HPV) Policy to prepare enforcement cases and follow-up, as appropriate. Violations are referred for enforcement consistent with the CERP and HPV Policy. Notice of Violations and Agreed Orders are reported to ICIS-Air on a monthly basis. The branch continues to review findings and prepare enforcement cases according to the HPV Policy and the Civil Penalty Policy.

**JA Status:** (EPA comment) As of November 2, 2016, IDEM's Air CEB reported to ICIS-Air 72 Notice of Violations and 78 Agreed Orders for FY 2016 (October 1, 2015 – June 30, 2016).

**FA Status:** (EPA comment) As of October 16, 2017, IDEM's CEB reported to ICIS-Air 99 NOV's and 108 Agreed Orders for FY2017. However, the States have until November 30, 2017, to have all MDRs for FY2017 reported in ICIS-Air.

- h) Participate in enforcement/settlement negotiation conferences and follow-up on the requirements of IDEM's Agreed and/or Commissioner's Order.

**JA Status:** Ongoing. Compliance and enforcement managers in the branch continue to conduct pre-Notice of Violation meetings, settlement conferences, and follow-up on Agreed Orders. A total of 47 pre-Notice of Violation meetings have been held and a total of 26 settlement conferences have been held during the first three quarters of FY 2016 (October 1, 2015 – June 30, 2016).

**FA Status:** Ongoing. Enforcement case managers in the branch continue to conduct pre-Notice of Violation meetings, settlement conferences, and follow-up on Agreed Orders. A total of 72 Pre-NOV meetings were been held in FY 2016 and total of 59 Pre-NOV meetings have been held to date in FY 2017 (October 1, 2016 – August 31, 2017).

A total of 39 settlement conferences were been held in FY 2016 and total of 35 settlement conferences have been held to date in FY 2017 (October 1, 2016 – August 31, 2017).

**FA Status:** (EPA comment) Complete.

- i) U.S. EPA R5 and IDEM will conduct monthly conference calls to discuss planning, program progress, compliance and enforcement issues, HPVs, data management and reporting, and efforts to resolve violations. U.S. EPA R5 and IDEM will have initial case-specific consultations to discuss case development and resolution timeframes for state lead HPV cases not addressed within 180 days from the Day Zero. Any data issues will also be discussed on these monthly conference calls.

**JA Status:** Ongoing. The Air Compliance and Enforcement Branch and U.S. EPA R5 hold bi-monthly compliance, enforcement, and data management and reporting conference calls. Priorities, compliance and enforcement issues, complaints, HPV cases, data management, and reporting issues are discussed. Both IDEM and U.S. EPA participated in the June 14, 2016 annual Air Program Planning call/webinar.

**FA Status:** Ongoing. Same as above.

**FA Status:** (EPA comment) Complete.

- j) IDEM will track and update U.S. EPA R5 on a quarterly basis on the recommendations made from the Round 3 State Review Framework until completion.

**JA Status:** Ongoing. U.S. EPA R5 has not initiated the Round 3 State Review Framework.

**FA Status:** Ongoing. U.S. EPA R5 initiated the Round 3 State Review Framework (SRF) on October 18, 2016. EPA R5 provided a draft SRF report to IDEM on March 9, 2017 and IDEM provided draft comments on August 3, 2017. The final SRF report has not been issued as of August 30, 2017, but the Compliance and Enforcement Branch continue to address the draft recommendations and discuss the recommendations during the bi-monthly compliance, enforcement, and data management and reporting conference calls. IDEM will track and update U.S. EPA R5 on a quarterly basis once Round 3 SRF recommendations have been finalized.

**FA Status:** (EPA comment) U.S. EPA-R5 conducted IDEM's CAA Round 3 SRF in October 2016. The signed official draft report was submitted to IDEM on October 5, 2017 for review and comments. U.S. EPA-R5 and IDEM has scheduled a conference call for October 26, 2017 to discuss U.S. EPA-R5 findings, recommendations and the State comments.

Compliance Monitoring Strategy (CMS) for Asbestos		A-3
IDEM Contact(s): Phil Perry & Dan Stamatkin	U.S. EPA R5 Contact(s): Nathan Frank, Debra Flowers, and Rochelle Marceillars	Due Date: September 30, 2017
U.S. EPA R5 Role: Provide program assistance as requested.		
Goal 5:	Enforcing environmental laws.	
Objective 5.1:	Enforce environmental laws.	
Funding:	Dedicated – Asbestos Trust	

Implement a compliance and enforcement program for asbestos inspections and compliance evaluation of asbestos notifications, licensed asbestos contractors, and stationary asbestos sources.

- a) Submit an annual report to U.S. EPA R5 on asbestos demolition/renovation notifications submitted by the owner/operator, compliance evaluations conducted, and enforcement actions initiated by IDEM. The report will be submitted by October 31, 2015, for FY 2016 and by October 31, 2016, for FY 2017. The report will be submitted alphabetically by owner/operator and will include the number of asbestos demolition/renovation notifications received, warning letters, Notice of Violations (NOVs), Referrals, Agreed Orders, State Court Orders/Decrees, and penalties assessed.

**JA Status:** Ongoing. The Asbestos Annual Report for FY 2015 report was submitted to U.S. EPA on October 28, 2015. The Asbestos Annual Report for FY 2016 will be submitted to U.S. EPA by October 31, 2016.

**FA Status:** Complete. The Asbestos Annual Report for FY 2015 report was submitted to U.S. EPA on October 28, 2015. The Asbestos Annual Report for FY 2016 was submitted on October 24, 2016.

**JA Status:** (EPA comment) The Asbestos Annual Report for FY 2016 was submitted to EPA on October 25, 2016.

**FA Status:** (EPA comment) The Asbestos Annual Report for FY 2017 is not due until October 31, 2017.

Conduct Ambient Air Quality Monitoring Throughout Indiana		A-4
IDEM Contact(s): Richard Zeiler & Steve Lengerich	U.S. EPA R5 Contact(s): Michael Compher	Due Date: Ongoing
U.S. EPA R5 Role: Regulatory advice, funding and review.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Operate monitors for National Ambient Air Quality Standards (NAAQS) pollutants and Photochemical Assessment Monitoring Stations (PAMS) according to 40 CFR 58, approved monitoring plans, and the quality management plan/quality assurance project plans (QMP/QAPPS).

**JA Status:** Ongoing. IDEM collects data at 78 sites for NAAQS or PAMS parameters across the state. This monitoring will continue through FY 2017.

**FA Status:** Ongoing. IDEM collected data from 83 sites during the reporting period.

- b) Submit annual network plan required by 40 CFR 58.10 by July 1 of the prior year, unless another schedule has been approved by U.S. EPA R5.

**JA Status:** Complete. [The Monitoring Plan](#) for the 2017 Monitoring Network was submitted to U.S.EPA R5 for approval on July 1, 2016.

**FA Status:** Complete. The Annual Monitoring Plan for the 2018 Monitoring Network was submitted to U.S. EPA R5 for approval on July 1, 2017.

- c) Maintain certification lab operation by the continued use of the most current lab standards, and continued use of state-of-the-art techniques to produce the most accurate certifications possible.

**JA Status:** Ongoing. The certification lab uses Fluke molbloc/molbox instrumentation to calibrate and adjust gas flow controllers, National Institute of Standards and Technology (NIST)/(SRM) Standard Reference Method primary gas cylinders for transfer standard gas certifications, and various other NIST-traceable devices for miscellaneous transfer standard certifications. Ancillary equipment is certified annually or as needed by an ISO/IEC 17025.2005-accredited calibration laboratory in Indianapolis providing NIST traceability.

**FA Status:** Ongoing. Same as above.

- d) Investigate new analytical methods of testing through new equipment.

**JA Status:** Ongoing. The Air Monitoring Branch has tested a couple of lower cost monitors. As others, such as handheld or personal type monitors, are made available, and appear to have use in the network, they will be evaluated.

**FA Status:** Ongoing. IDEM did evaluate the 2B4 Tech low cost ozone analyzer and determined that the instrument may be applicable to Indiana monitoring needs. One unit was purchased and we are currently assessing the analyzer for reliability.

**JA Status:** (EPA comment) EPA would like more information about the low-cost monitor testing during quarterly conference calls.

**FA Status:** (EPA comment) Please share reliability testing results with U.S. EPA R5 as they become available.

- e) Operate, evaluate and improve monitoring procedures and data reporting of the Photochemical Analytical Monitoring Strategy (PAMS) monitoring in Northwest Indiana.

**JA Status:** Ongoing. The Air Monitoring Branch has operated PAMS sites in Gary and Indianapolis and has reported the data to Air Quality System (AQS). This monitoring and data submittal will continue in FY 2017.

**FA Status:** Ongoing. IDEM discontinued the PAMS site in Gary after the 2016 PAMS season. This discontinuation was approved as part of the 2017 ANP submitted to U.S. EPA on July 1, 2016. IDEM continues to operate the required Indianapolis PAMS site.

**JA Status:** (EPA comment) In the Annual Network plan, EPA approved IDEM's proposed changes to the PAMS monitoring that will occur in 2017 at the Gary's site.

**FA Status:** (EPA comment) Concur. IDEM is operating the Indianapolis PAMS site and is reporting data to AQS.

- f) Continue to use the Interagency Monitoring of Protected Visual Environments (IMPROVE)-style carbon samplers at PM<sub>2.5</sub> speciation trends and supplemental sites.

**JA Status:** Ongoing. The Air Monitoring Branch operated a PM<sub>2.5</sub> speciation trends site at Indianapolis – Washington Park and five supplemental sites across the state in FY 2016 with IMPROVE-style carbon samplers. These sites will continue to operate through FY 2017.

**FA Status:** Ongoing. No changes have been made to the speciation network. IDEM continues to operate all sites with the IMPROVE-style carbon samplers.

- g) Continue to operate the source and population-oriented monitors for the revised Lead (Pb) standard.

**JA Status:** Ongoing. The Air Monitoring Branch has operated one population-oriented site at Indianapolis – Washington Park and seven other source-oriented sites in FY 2016. The Washington Park monitor will be discontinued on December 31, 2016 as this requirement has been removed. The seven source-oriented sites will continue to operate through FY 2017. Due to new emissions data, one additional source-oriented site is required near the Indianapolis, Belmont Wastewater Plant. This site should begin operating January 1, 2017.

**FA Status:** Ongoing. Seven source-oriented sites will continue to operate and a waiver was approved by U.S. EPA for the Indianapolis, Belmont Wastewater Plant.

- h) Continue to operate (National Core multi-pollutant monitoring stations) NCore site in Indianapolis.

**JA Status:** Ongoing. The Air Monitoring Branch has operated the NCore site at Indianapolis – Washington Park during FY 2016 and will continue to operate it in FY2017.

**FA Status:** Ongoing. No changes. IDEM continues to operate the NCore site at Indianapolis-Washington Park.

- i) Assist industry with the siting of any new NAAQS stations, as required for SO<sub>2</sub> source-oriented monitoring.

**JA Status:** Ongoing. The Air Monitoring Branch is assisting ArcelorMittal-Burns Harbor with siting of SO<sub>2</sub> monitor and shelter.

**FA Status:** Complete. An approved data review record (DRR) network for SO<sub>2</sub> for the ArcelorMittal-Burns Harbor facility is operational.

- j) Continue to operate the near-roadway monitoring station for NO<sub>2</sub> and associated parameters as required.

**JA Status:** Ongoing. The Air Monitoring Branch has operated the near-road monitoring station site at Indianapolis – I-70E during FY 2016 and will continue to operate it in FY 2017. An Ultra-fine Particulate Monitor will be deployed at this site, when purchased and is field ready.

**FA Status:** Ongoing. The discretionary Ultra-fine Particulate parameter has not been deployed at the I-70E site. IDEM continues to evaluate instrumentation for this project.

- k) Participate in U.S. EPA's technical system audits (TSA) and timely develop a corrective action plan, address findings, and provide documentation or verification or completed corrective actions.

**JA Status:** Ongoing. An U.S. EPA, TSA was performed in July of 2015. Most of the findings have been addressed with only a few findings still pending.

**FA Status:** Complete. All findings and corrective action plans for the 2015 TSA have been submitted to U.S. EPA R5 and approved.

**JA Status:** (EPA comment) EPA provided a closeout letter to IDEM for this audit and all findings on October 19, 2016.

**FA Status:** (EPA comment) Concur.

- l) Submit 5-year network assessments required by 40 CFR part 58.10(d).

**JA Status:** Complete. The [5-year assessment](#) was submitted to U.S.EPA in 2015.

**FA Status:** Complete. Same as above.

- m) Submit certification to U.S. EPA R5 each year that:

- a. Confirms IDEM's QMP is still in effect.
- b. Identifies needed revisions to the QMP.
- c. Identifies all QAPPs encompassed by the agencies QMP.

**JA Status:** Ongoing. The OAQ/QA Section updated its QAPP in 2015 and was approved by U.S. EPA in December 2015.

**FA Status:** Ongoing. Necessary revisions to the Indiana QAPP will be submitted to U.S. EPA R5 by December 31, 2017.

- n) Commit funds to adequately support the monitoring program.

**JA Status:** Ongoing. Sufficient funds have been committed to support the monitoring program.

**FA Status:** Ongoing. Funding levels are adequate.

- o) Coordinate and oversee work performed by contractors or other organizations.

**JA Status:** Ongoing. All contractual work performed for the IDEM air quality networks is adequately addressed in specifications and job oversight.

**FA Status:** Ongoing. Same as above.

- p) U.S. EPA R5 will provide regulatory advice, funding and review.

**JA Status:** (EPA comment) EPA provides advice, review and coordination during the monthly SLT and quarterly conference call with IDEM. EPA concurred on IDEM's 2105 data certification, acted on IDEM's annual network plan and closed out the 2015 technical system audit. Funding for IDEM's monitoring program is provided through Section 103 and Section 105 grants as well as the 2016 multi-purpose grants.

**FA Status:** (EPA comment) EPA provides advice, review and coordination during the monthly SLT and quarterly conference calls with IDEM. EPA concurred on IDEM's 2106 data certification, acted on IDEM's annual network plan. Funding for IDEM's monitoring program is provided through Section 103 and Section 105 grants as well as the 2016 multi-purpose grants.

Air Toxics Monitoring, Risk Analysis and Reduction		A-5
IDEM Contact(s): Richard Zeiler & Steve Lengerich	U.S. EPA R5 Contact(s): Michael Compher, & Rae Trine	Due Date: Ongoing
U.S. EPA R5 Role: Risk assessment and data analysis advice, special grant funding and review. Collaborate with IDEM as appropriate to evaluate and mitigate localized air toxics.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

Conduct effective non-criteria pollutant monitoring.

a) Maintain Indiana Air Toxic Monitoring Program.

**JA Status:** Ongoing. The Air Monitoring Branch conducted air toxics monitoring at ten sites across the state in FY 2016. These ten sites will continue to operate in FY 2017.

**FA Status:** Ongoing. IDEM continues to operate 10 air toxics sites across the state.

b) U.S. EPA R5 will provide risk assessment and data analysis advice, inform IDEM of special grant funding and review, and collaborate with IDEM, as appropriate, to evaluate and mitigate localized air toxics.

**JA Status:** (EPA comment) EPA provides quarterly conference calls to answer questions and present information to IDEM on the latest air toxic and risk assessment issues.

**FA Status:** (EPA comment) Ongoing. Same as above.

Make Air Monitoring Information Publicly Available		A-6
IDEM Contact(s): Richard Zeiler & Steve Lengerich	U.S. EPA R5 Contact(s): Michael Compher	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

Continue to assess and modify Indiana's air monitoring program and make monitoring information available to the public.

a) Perform a quality assurance (QA) network evaluation.

**JA Status:** Ongoing. The state-QA does an extensive site evaluation on each state Ambient Monitoring site every three years. Independent entities, such as Industrial and CASTNET sites are evaluated annually.

**FA Status:** Ongoing. Same as above.

b) Conduct data analysis to determine improvement and degradation of air quality.

**JA Status:** Ongoing. The Air Programs Branch and the Air Monitoring Branch both track air quality trends of all pollutants for input into the annual network review.

**FA Status:** Ongoing. Pollutant trends are utilized in the annual network review process.

- c) Perform annual industry evaluations (systems audit). Provide information to U.S. EPA R5.

**JA Status:** Ongoing. Industrial evaluations are conducted annually.

**FA Status:** Ongoing. Industrial and DRR networks continue to be evaluated annually.

- d) Annually review and update the OAQ Quality Assurance Manual.

**JA Status:** Ongoing. The QA Manual was updated in 2015 with U.S. EPA approval in December 2015. The QA Manual is updated as needed but a copy is officially sent to U.S. EPA for approval after updates and at least every three years.

**FA Status:** Ongoing. The QA Manual is being reviewed and updated during 2017 for submittal to U.S. EPA R5 for approval by December 31, 2017.

- e) Submit ambient concentration and quality assurance data to Air Quality System (AQS), according to schedule in 40 CFR 58.

**JA Status:** Ongoing. The Air Monitoring Branch has submitted ambient concentration and quality assurance data into AQS within 90 days of the end of the quarter in which it was collected during FY 2016. The timely data submittals will continue in FY 2017.

**FA Status:** Ongoing. Same as above.

- f) Produce daily and hourly ozone and PM<sub>2.5</sub> data and maps to be posted on the Internet, as per U.S. EPA HQ Ozone and PM<sub>2.5</sub> Mapping Projects.

**JA Status:** Ongoing. Daily and hourly pollution concentrations and air quality maps are posted to the Internet and sent to [AIRNow](#).

**FA Status:** Ongoing. Same as above.

- g) Maintain air quality index (AQI) reporting in designated cities.

**JA Status:** Ongoing. During FY 2016 the [AQI was calculated](#) and posted to the IDEM website using LEADS for 18 cities and areas across Indiana. This posting of the AQI will continue for these cities and areas during FY 2017.

**FA Status:** Ongoing. Same as above.

- h) Certify all parameters required under 40 CFR part 58.15 according to the schedule in that part.

**JA Status:** Complete for FY 2016. The Certification Letter for CY 2015 data was submitted to U.S. EPA prior to May 1, 2016. Ongoing for FY 2017. The Certification Letter for CY2016 data will be submitted prior to May 1, 2017.

**FA Status:** Complete. The Certification Letter for CY 2016 data was submitted to U.S. EPA R5 prior to May 1, 2017.

- i) Submit ozone, PM<sub>2.5</sub> and meteorological data to AIRNow.

**JA Status:** Ongoing. Data is submitted hourly to [AIRNow](#).

**FA Status:** Ongoing. Same as above.

- j) U.S. EPA R5 will provide timely advice and reviews.



**JA Status:** Ongoing. Monthly U.S. EPA R5 (SLT) agency conference calls and quarterly one-on-one U.S. EPA R5 to state conference calls are held.

**FA Status:** Ongoing. IDEM participates in all conference calls.

Leading Environmental Analysis and Display System (LEADS ®)		A-7
IDEM Contact(s): Richard Zeiler & James Parks	U.S. EPA R5 Contact(s): Michael Compher	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

Collect real time air quality information using LEADS ®.

- a) Maintain automatic calibration equipment at all continuous monitoring sites.

**JA Status:** Ongoing. All continuous pollutant monitoring sites have automatic gaseous calibration equipment.

**FA Status:** Ongoing. Same as above.

- b) Deploy LEADS® at all newly established continuous monitoring site locations.

**JA Status:** Ongoing. LEADS® is installed at all new continuous monitoring site locations.

**FA Status:** Ongoing. Same as above.

- c) Provide current data from all active continuous monitoring sites to the public via the agency website.

**JA Status:** Ongoing. Current near-[real time air quality data](#) from all active continuous monitoring sites are posted to IDEM's website.

**FA Status:** Ongoing. Same as above.

- d) Provide past data from active continuous monitoring sites and past data from recently discontinued sites.

**JA Status:** Ongoing. Data from the last 18 years (January 1, 1998) are available from active continuous monitoring sites or from the date the site was established. Data from recently discontinued sites remains available on IDEM's website.

**FA Status:** Ongoing. Same as above.

- e) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** (EPA comment) Ongoing. EPA holds monthly State Local Tribal conference calls and quarterly one-on-one EPA and State conference calls.

**FA Status:** (EPA comment) Ongoing. EPA holds monthly State Local Tribal conference calls in which IDEM is a regular participant, and quarterly one-on-one EPA/IDEM conference calls.

Persistent Bioaccumulative Toxics Great Lakes Air Deposition			A-8
IDEM Contact(s): Scott Deloney	U.S. EPA R5 Contact(s): Erin Newman	Due Date: Ongoing	
U.S. EPA R5 Role: Timely advice, adequate funding, and timely reviews.			
Goal 1:	Taking action on climate change and improving air quality.		
Objective 1.2:	Improve air quality.		
Funding:	PPG		

IDEM will undertake activities to evaluate persistent bioaccumulative toxics (PBTs).

- a) IDEM will post a request for proposals for projects to evaluate persistent bioaccumulative toxics in Indiana. Projects can include research, monitoring, data evaluation, and any other activities that will further knowledge concerning PBTs in Indiana.

**JA Status:** In progress. A solicitation was conducted and three bids were received. IDEM reviewed the proposals and a single project was selected. The selected project is a mercury monitoring project that involves dry deposition and liter fall sponsored by the Lake Michigan Air Directors Consortium. Contract was awarded in early 2016. Monitoring commenced in May 2016 and will be ongoing for fifteen consecutive months.

**FA Status:** In progress. Monitoring data has been collected continuously since May 2016. The term ends May 2018. Once data collection is complete, data will be evaluated and a final report concerning data analysis will be drafted.

- b) IDEM will use staff time to identify and quantify source types and emissions that contribute PBTs to lakes through atmospheric deposition to better address PBTs.

**JA Status:** In progress. A draft statewide air toxics inventory for 2014 has been prepared for all source categories. Comparison to draft National Emissions Inventory (NEI) inventory is underway. Quality assurance of emissions data is yet to be completed.

**FA Status:** Complete. A comprehensive inventory was completed and submitted to the NEI. Follow-up quality assurance was coordinated with U.S. EPA.

- c) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** (EPA comment) EPA provided assistance to IDEM with the original RFP process. All GLAD commitments are being met and EPA approves the GLAD work.

**FA Status:** (EPA comment) EPA has provided GLAD advice and reviews as requested. EPA concurs that IDEM has met all GLAD requirements.

## Implementation of 2008 Ozone National Ambient Air Quality Standards (NAAQS)

A-9

IDEM Contact(s): Scott Deloney U.S. EPA R5 Contact(s): Doug Aburano Due Date: Ongoing  
U.S. EPA R5 Role: Timely advice and reviews.

Goal 1: Taking action on climate change and improving air quality.  
Objective 1.2: Improve air quality.  
Funding: PPG

Successfully implement the 2008 Ozone National Ambient Air Quality Standards (NAAQS).

- a) Monitor attainment status for areas designated nonattainment.

**JA Status:** In progress. Lawrenceburg Township and Lake and Porter counties attain the standard. IDEM petitioned for redesignation of both areas. However, a new monitored violation in Southeast Wisconsin will likely result in the withdrawal of the Lake and Porter petition.

**FA Status:** In progress. Lake and Porter counties remain classified nonattainment. Monitors located in northeast Illinois and southeast Wisconsin continued to measure air quality above the standard during the 2017 ozone season.

- b) Develop and submit attainment and rate of progress State Implementation Plans (SIPs), if necessary.

**JA Status:** In progress. As a result of a bump-up, staff is working on rate of progress, attainment, and RACT SIPs for Lake and Porter counties. These are scheduled for completion in early 2017.

**FA Status:** Complete. IDEM submitted and attainment SIP, along with RACT and ROP SIPs in early 2017.

- c) Submit ozone designation recommendations within one year from pending ozone standard being finalized.

**JA Status:** In progress. Recommendations are due for the 2015 ozone standard by October 1, 2016. Internal draft document complete. Documentation being refined based on monitoring data collected during the 2016 ozone season.

**FA Status:** Complete. IDEM submitted its designation recommendations based on data through 2016 in September 2016.

- d) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** (EPA comment) EPA provided IDEM with guidance on designations for the 2015 ozone standard and guidance on early review on emission statement and emissions inventory SIPs for the 2008 ozone standard and will continue to work with IDEM as they develop SIPs to meet moderate area requirements for the Chicago, IL-IN-WI area.

**FA Status:** (EPA comment) EPA received the recommendations for the 2015 ozone standard designations made by IDEM. EPA also received the attainment demonstration and other submittals associated with the 2008 ozone standard moderate classification and is currently reviewing them.

SO <sub>2</sub> National Ambient Air Quality Standards (NAAQS)		A-10
IDEM Contact(s): Scott Deloney	U.S. EPA R5 Contact(s): Doug Aburano	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Submit designations recommendations for five specified power plants by September 2015.

**JA Status:** Complete. IDEM submitted recommendations with technical support in accordance with deadline.

**FA Status:** Complete. Same as above.

- b) Implement the data requirements rule upon final release. This includes overseeing the deployment of monitoring or modeling on a case by cases basis.

**JA Status:** In progress. Modeling and monitoring protocols submitted in accordance with deadline. IDEM is coordinating with affected sources to refine modeling and implement necessary monitoring networks.

**FA Status:** In progress. IDEM continues to coordinate with Region 5 U.S. EPA concerning two affected sources, Alcoa Warrick and Isolatec. The remaining affected sources have been fully addressed. Formal designations are still pending for all affected sources.

- c) Complete designation processes as necessary based on monitoring and modeling outcomes.

**JA Status:** In progress. Pending implementation of modeling and monitoring protocols.

**FA Status:** In progress. Designations pending.

- d) Prepare and submit attainment SIPs as necessary.

**JA Status:** In progress. Pending implementation of modeling and monitoring protocols.

**FA Status:** In progress. Until completion of the designation process, it is unclear whether attainment SIP submissions are necessary.

- e) Monitor attainment status for areas designated nonattainment.

**JA Status:** In progress. Pending implementation of modeling and monitoring protocols.

**FA Status:** In progress. Pending designation status.

- f) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** (EPA comment) EPA will continue to evaluate information and address questions that IDEM provides.

**FA Status:** (EPA comment) In progress. EPA has, and will continue to, address questions that arise.

Redesignation Petitions and Maintenance Plans		A-11
IDEM Contact(s): Scott Deloney	U.S. EPA R5 Contact(s): Doug Aburano and Pam Blakley	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Prepare and submit redesignation petitions and maintenance plans within six (6) months of monitoring data being quality assured for each new area that attains an NAAQS.

**JA Status:** In progress. Submittals prepared and submitted for Lake, Porter, and Dearborn counties under 2008 ozone standard. IDEM may withdraw Lake and Porter counties submittal based on 2016 ozone data for Southeast Wisconsin.

Revised petition for the 1997 PM2.5 standard on notice for Dearborn County. Final to be submitted in late 2016.

Draft petition prepared for Morgan County SO2 nonattainment area. To be finalized in late 2016.

**FA Status:** In progress. An additional SO2 redesignation petition was completed and submitted for Marion County townships in July 2017.

**JA Status:** (EPA comment) Muncie 2008 lead standard redesignation submitted in April 2016.

**FA Status:** (EPA comment) EPA issued a direct final approval of the Muncie Pb redesignation request which received adverse comments. EPA is working to address those adverse comments.

- b) Develop and submit attainment SIPs as necessary.

**JA Status:** In progress. Lake and Porter counties for 2008 ozone standard under development and scheduled for submittal in early 2017.

**FA Status:** In progress. Final attainment SIP for Lake and Porter counties was submitted in February 2017. However, if the area is reclassified, a new plan will be required for the new attainment deadline.

- c) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** (EPA comment) EPA provided guidance and reviewed draft redesignation requests for the Dearborn, Lake, and Porter county ozone nonattainment areas and for the Morgan County SO<sub>2</sub> nonattainment area. The Muncie 2008 lead redesignation is under review. We expect the final approval of this redesignation request by spring 2017.

**FA Status:** (EPA comment) The Muncie Pb redesignation request was published as a direct final approval and it received adverse comments. EPA is working to address these comments. Final Approval/Response to Adverse Comments to be published late 2017/early 2018.

Regional Haze		A-12
IDEM Contact(s): Scott Deloney	U.S. EPA R5 Contact(s): Doug Aburano	Due Date: January 2016
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Coordinate through the Lake Michigan Air Directors Consortium to prepare and submit a five (5) year progress report on the Regional Haze SIP.

**JA Status:** Complete. Progress report submitted to U.S. EPA in early 2016.

**FA Status:** Complete. Same as above.

**JA Status:** (EPA comment) Submitted on March 30, 2016.

**FA Status:** (EPA comment) EPA expects to propose approval of the Indiana Regional Haze Progress Report in fall 2017.

- b) U.S. EPA R5 will provide timely advice and reviews.

**JA Status:** Ongoing.

**FA Status:** Ongoing.

**JA Status:** (EPA comment) Rulemaking is in development EPA is assessing the impact of recent Cross State Air Pollution Rule update.

**FA Status:** (EPA comment) Ongoing.

Implementation of 2012 PM <sub>2.5</sub> National Ambient Air Quality Standards (NAAQS)		A-13
IDEM Contact(s): Scott Deloney	U.S. EPA R5 Contact(s): Doug Aburano	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Submit infrastructure SIP for 2012 PM<sub>2.5</sub> NAAQS.

**JA Status:** Complete. Submittal made in June 2016.

**FA Status:** Complete. Same as above.

Transportation Conformity		A-14
IDEM Contact(s): Shawn Seals	U.S. EPA R5 Contact(s): Pamela Blakley, Francisco Acevedo, Anthony Maietta	Due Date: Ongoing
U.S. EPA R5 Role: Timely advice and reviews.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	PPG	

- a) Work with local Metropolitan Planning Organizations, U.S. EPA, and state and federal transportation agencies in future conformity determinations, as needed.

**JA Status:** Ongoing. Work conducted as needed.

**FA Status:** Ongoing. Same as above.

- b) Work with transportation agencies as appropriate to update mobile SIP budgets in response to changing needs such as updates to the mobile model MOVES or other changes.

**JA Status:** Ongoing. Work conducted as needed in conjunction with required SIP revisions referenced above.

**FA Status:** Ongoing. Work conducted as needed. New conformity budgets established for Lake and Porter counties in conjunction with the attainment SIP for 2008 ozone standard.

## Office of Land Quality (OLQ)

**JA Status:** (EPA comment) EPA concurs with IDEM's OLQ Program update, and offers the comments listed below.

**FA Status:** (EPA comment) Same as above.

Resource Conservation Recovery Act (CRA) Corrective Action		L-1
IDEM Contact(s): Craig Schroer & Mike Sickels	U.S. EPA R5 Contact(s): Mike Beedle & Tammy Moore	Due Date: See Below
U.S. EPA R5 Role: Contractor support for sampling and risk review at selected sites.		
Goal 3:	Cleaning up communities and advancing sustainable development.	
Objective 3.2:	Preserve land.	
Funding:	PPG	

IDEM supports U.S. EPA R5's Integrated Cleanup Initiative to improve the accountability, transparency, and effectiveness of all of our cleanup programs. IDEM will coordinate the activities of its RCRA CA, Leaking Underground Storage Tanks, Brownfields, Toxic Substances Control Act, and Superfund programs to reduce risks to human health and the environment, by assessing and cleaning up contaminated sites to appropriate land use based levels, and put them back into productive use.

In support of our coordinated efforts, IDEM will meet the requirements of the Resource Conservation and Recovery Act (RCRA) Government Performance and Results Act (GPRA).



- a) For the 2020 Universe facilities, of which 80 are assigned for state lead, IDEM will achieve the following GPRA corrective action goals:
- By September 30, 2015: 68 facilities will reach CA725, 64 facilities will reach CA750, and 54 facilities will reach CA550 and 18 facilities will reach CA900/999. IDEM will strive to enter all event codes into RCRAInfo by September 1, 2015.
  - By September 30, 2016: 69 facilities will reach CA725, 66 facilities will reach CA750, and 54 facilities will reach CA550 and 20 facilities will reach CA900/999. IDEM will strive to enter all event codes into RCRAInfo by September 1, 2016.
  - By September 30, 2015: IDEM and U.S. EPA will have negotiated CA targets for federal fiscal year 2017.

**JA Status:** Ongoing. Completed for 2016 for CA550 goal (54 Completed), and CA725 goal (69 Completed), and exceeded for CA900/999 goal (21 Completed). In progress for CA750 goal, we have completed 64 of the required 66 facilities, and have 3 scheduled to be completed by September 30, 2016. IDEM is on track to meet that goal as well. IDEM should be able to enter the completion dates into Indiana RCRA Activity Tracking System (IRATS) (RCRA Info) by September 1, 2016. Status is ongoing for establishing CA targets.

**FA Status:** Ongoing. By September 30, 2017: 71 facilities will reach CA725, 66 facilities will reach CA750, 57 facilities will reach CA550 and 27 facilities will reach CA900/999. The goals for CA725, CA750 and CA900/999 were completed. Of the 3 facilities scheduled to be completed in FY 2017 for CA550, IDEM documented 2 of those EIs. IDEM documented 71 facilities for CA725, 66 facilities for CA750, 56 facilities for CA550, and 27 facilities for CA 900/999. IDEM will ensure that these event codes are entered into RCRAInfo by September 1, 2017.

**JA Status:** (EPA comment) Completed goals for 2016 include CA550 goal (54 Completed) and CA725 goal (69 Completed) and goal exceeded for CA900/999 goal (27 Completed). For the CA750 goal, in FY 2016 IDEM completed 65 of 66 facilities due to data cleanup issues. IDEM CA Targets scheduled for FY 2017 are 3 for CA550, 2 for CA725, and 3 for CA750. IDEM will enter completion dates into IRATS (RCRA Info) by September 1, 2017.”

**FA Status:** (EPA comment) IDEM met CA Targets scheduled for FY 2017 by achieving 3 of 3 for CA550 totaling 57 facilities, 2 of 2 for CA725 totaling 71 facilities, 2 of 2 for CA750 totaling 66 facilities, and met the CA900/999 goal of 27 total facilities.

Hazardous Waste Permitting and Post-Closure			L-2
IDEM Contact(s): Craig Schroer	U.S. EPA R5 Contact(s): Jae Lee	Due Date: September 30, 2015 & September 30, 2016	
U.S. EPA R5 Role: Provide program assistance.			
Goal 3:	Cleaning up communities and advancing sustainable development.		
Objective 3.2:	Preserve land.		
Funding:	PPG		

Permit priority will be given to application submittals that are subject to Indiana’s permit accountability statute. U.S. EPA R5 is in the process of developing 2015-2017 permit and renewal baselines. The baselines will be completed by the end of June 2015.



- a) Issue permit renewals to 100% of the 2015-2017 baseline facilities within six months of expiration.

**JA Status:** Ongoing. All permit renewals were issued within six months of expiration.

**FA Status:** Complete. Eight permit renewals were issued from October 1, 2015 to September 30, 2017. Of those, seven were issued within six months of expiration. The eighth was issued within six months and 16 days of expiration. However, this permit was submitted 94 days prior to the expiration date rather than the required 180 days.

- b) Upon request, U.S. EPA R5 will provide timely boiler and industrial furnaces (BIF) and risk assessment assistance to complete hazardous waste facility permitting actions in accordance with U.S. EPA Government Performance and Results Act (GPRA) goals.

**JA Status:** Ongoing. U.S. EPA R5 review of Vertellus risk assessment has been ongoing for 3+ years.

**FA Status:** Complete. EPA review of the Vertellus risk assessment is complete.

Resource Conservation and Recovery Act (RCRA) Hazardous Waste Inspections of Generators			L-3
IDEM Contact(s): Susan Lowry	U.S. EPA R5 Contact(s): Gary Victorine	Due Date: July 1, 2015-June 30, 2017	
U.S. EPA R5 Role: Conduct inspections of at least six large quantity generators (LQGs). Inspect other facilities handling hazardous waste as necessary. Criteria for U.S. EPA's selection of installations may include: (a) requests from IDEM, (b) installations subject to open federal enforcement judicial and/or administrative decrees/orders, (c) installations that have not been inspected in the past, and (d) installations under Regional and National priority sectors and/or initiatives.			
Goal 3:	Cleaning up communities and advancing sustainable development.		
Objective 3.2:	Preserve land.		
Funding:	PPG		

- a) Each state fiscal year, IDEM will, by June 30 of that respective year, conduct compliance evaluation inspections (CEIs) at a minimum of 20% of the large quantity generator (LQG) universe that exists in the RCRAInfo database. The universe will be determined using data that exists in the RCRAInfo database as of June 1 of that respective year.

**JA Status:** Complete. IDEM and U.S. EPA entered into an agreement to have two categories of LQGs, due to the universe being significantly increased by CVS retail pharmacies notifying as LQGs. CVS pharmacies have their own category, and are considered "non-traditional" LQGs.

**Traditional LQGs:**

RCRAInfo Universe on 6/1: 598

Commitment (20%): 120

Status: Complete

IDEM inspected 147 of the generators that were notified as LQG on June 1, 2015. Since then, 30 of those have changed their status to SQG or lower.

Non-traditional LQGs:

RCRAInfo Universe on 6/1: 231

Commitment (5%): 12

Status: Complete

IDEM inspected 23 CVS pharmacies that were notified as LQG on June 1, 2015.

**FA Status:** Complete. IDEM and U.S. EPA entered into an agreement to have two categories of LQGs, due to the universe being significantly increased by CVS retail pharmacies notifying as LQGs. CVS pharmacies have their own category, and are considered “non-traditional” LQGs.

Traditional LQGs:

RCRAInfo Universe on 6/1: 504

Commitment (20%): 101

Status: Complete

IDEM inspected 147 of the generators that were notified as LQG on June 1, 2016. Since then, 30 of those have changed their status to SQG or lower.

Non-traditional LQGs:

RCRAInfo Universe on 6/1: 278

Commitment (5%): 14

Status: Complete

IDEM inspected 25 CVS pharmacies that were notified as LQG on June 1, 2016.

- b) U.S. EPA R5 will conduct inspections of at least six (6) large quantity generators (LQGs). U.S. EPA R5 will inspect other facilities handling hazardous waste as necessary. Criteria for U.S. EPA R5's selection of installations may include: (a) requests from IDEM, (b) installations subject to open federal enforcement judicial and/or administrative decrees/orders, (c) installations that have not been inspected in the past, and (d) installations under regional and national priority sectors and/or initiatives.

**JA Status:** (EPA comment) Completed. EPA conducted compliance evaluation inspections at twelve (12) LQGs, one (1) small quantity generator, and one (1) conditionally exempt small quantity generator.

**FA Status:** (EPA comment) EPA R5 conducted compliance evaluation inspections at 19 LQGs, three small quantity generators, and one conditionally exempt small quantity generator during federal fiscal year 2017.

<b>Resource Conservation and Recovery Act (RCRA) Hazardous Waste Inspections of Treatment, Storage and Disposal Facilities (TSDs)</b>	<b>L-4</b>
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IDEM Contact(s): Susan Lowry	U.S. EPA R5 Contact(s): Gary Victorine	Due Date: July 1, 2015-June 30, 2017
U.S. EPA R5 Role: U.S. EPA R5 will independently inspect at least two additional operating TSDs for all permit requirements for each year. U.S. EPA R5 will perform annual inspections at all operating TSDs owned or operated by state and local governments.		
Goal 3:           Cleaning up communities and advancing sustainable development. Objective 3.2:   Preserve land. Funding:         PPG		

- a) Each fiscal year, IDEM will inspect 50% of all Treatment, Storage and Disposal facilities (TSDs) with a current operating permit for active permitted units.

**JA Status:** Complete.

Universe:         17

Commitment:     9

Status:           Complete

IDEM conducted full TSD inspections at 13 of the 17 TSDs with active permits. At least one focused inspection was conducted at the remaining four TSDs.

**FA Status:** Complete.

Universe:         17

Commitment:     9

Status:           Complete

IDEM conducted full TSD inspections at all 17 TSDs with active permits. In addition, at least one focused inspection was conducted at 12 of these TSDs.

- b) U.S. EPA R5 will independently inspect at least two (2) operating TSDs for all permit requirements for each year. U.S. EPA R5 will perform annual inspections at all operating TSDs owned or operated by state and local governments.

**JA Status:** (EPA comment) Completed. EPA conducted compliance evaluation inspections at four (4) operating TSDs, one (1) of which was state-owned and one (1) of which was federally-owned.

**FA Status:** (EPA comment) EPA R5 conducted compliance evaluation inspections at four operating TSDs, one of which was state-owned and one of which was federally-owned.

Resource Conservation and Recovery Act (RCRA) Hazardous Waste Enforcement			L-5
IDEM Contact(s): Nancy Johnston	U.S. EPA R5 Contact(s): Todd Brown	Due Date: July 1, 2015-June 30, 2017	
U.S. EPA R5 Role: Issue enforcement responses to RCRA violations detected by U.S. EPA R5, or referred to U.S. EPA R5 by IDEM, in accordance with U.S. EPA's 2003 Hazardous Waste Civil Enforcement Response Policy, U.S. EPA's RCRA Civil Penalty Policy and relevant U.S. EPA enforcement strategies.			
Goal 3:	Cleaning up communities and advancing sustainable development.		
Objective 3.2:	Preserve land.		
Funding:	PPG		

- a) Issue enforcement responses to RCRA violations in accordance with IDEM's enforcement response strategy and U.S. EPA HQ's 2003 Hazardous Waste Civil Enforcement Response Policy.

**JA Status:** Ongoing.

IDEM enforcement staff continue to issue enforcement responses to RCRA violations in accordance with the appropriate strategies and policies. From July 1, 2015 through June 30, 2016, IDEM issued 14 Agreed Orders (301 Final Orders) for RCRA violations. During the same time period, 12 new significant non-complier (SNC) determinations were made. In addition, enforcement staff continue to issue enforcement responses for industrial waste, auto salvage, solid waste, underground storage tanks (UST), and leaking underground storage tanks (LUST) violations.

**FA Status:** Complete. From July 1, 2016 through June 30, 2017, IDEM issued 20 Agreed Orders (301 Final Orders) for RCRA violations.

During the same time period, 14 new SNC determinations were made.

- b) U.S. EPA R5 will issue enforcement responses to RCRA violations detected by U.S. EPA R5 or referred to U.S. EPA R5 by IDEM, in accordance with enforcement strategies.

**JA Status:** (EPA comment) Completed. EPA issued twelve (12) Notice of Violation letters, one (1) Consent Agreement and Final order, and One (1) Expedited Settlement Order.

**FA Status:** (EPA comment) EPA R5 issued nine Notice of Violation letters and one Consent Agreement and Final Order in federal fiscal year 2017.

Polychlorinated Biphenyl (PCB) Inspections			L-6
IDEM Contact(s): George Ritchotte	U.S. EPA R5 Contact(s): Kendall Moore	Due Date: July 1, 2015-June 30, 2017	
U.S. EPA R5 Role: Review IDEM's PCB inspection reports and, if necessary, issue the appropriate enforcement response. Provide technical assistance and guidance on federal PCB regulations. Conduct mid-year and year end reviews. Provide continuing refresher training to experienced inspectors and basic field investigation training to new inspectors. Provide enforcement training to allow IDEM to prepare penalty calculations.			
Goal 4:	Ensuring the safety of chemicals and preventing pollution.		
Objective 4.1:	Ensure chemical safety.		
Funding:	PPG		

- a) Conduct 24 Toxic Substance Control Act (TSCA) PCB inspections for FY16 and 24 PCB inspections for FY17.

**JA Status:** Complete. IDEM staff conducted 24 inspections in FY 2016.

**FA Status:** Complete. IDEM staff conducted 30 inspections in FY 2017. Additionally, IDEM staff conducted three permitted facility inspections in FY 2017.

- b) Work with U.S. EPA R5 on oversight of PCB cleanups and provide technical assistance to the regulated community. Provide a yearly summary report detailing the status of oversight activities for each fiscal year.

**JA Status:** Ongoing. IDEM staff continue to work with U.S. EPA on PCB clean-ups.

**FA Status:** Ongoing. IDEM staff continue to work with U.S. EPA on PCB clean-ups. A summary report has been provided to EPA for the clean-ups IDEM staff assisted with during FY 2016. The report discussing FY 2017 will be provided to EPA during the annual “End of the Year” meeting held to discuss the year’s inspections. This meeting will occur in mid to late October of 2017.

- c) Work with the U.S. EPA R5 Pesticides and Toxics Compliance Section (PTCS) in the annual targeting of facilities for TSCA PCB inspections, including critical points within natural gas pipeline transmission and distribution systems.

**JA Status:** Complete. IDEM conducted four inspections at pipeline transmission and distribution systems.

**FA Status:** Complete. IDEM conducted five inspections at pipeline transmission distribution systems in FY 2017.

- d) IDEM will provide a quarterly inspection summary.

**JA Status:** Complete. IDEM provided all requested summaries.

**FA Status:** Complete. Same as above.

- e) U.S. EPA R5 will review IDEM’s PCB inspection reports and, if necessary, issue the appropriate enforcement response, provide technical assistance and guidance on federal PCB regulations, conduct mid-year and year end reviews, provide continuing refresher training to experienced inspectors and basic field investigation training to new inspectors, and provide enforcement training to allow IDEM to prepare penalty calculations.

**JA Status:** (EPA comment) EPA R5 reviewed IDEM’s PCB inspection reports, issued the appropriate enforcement response, provided technical assistance and guidance on federal PCB regulations, conducted mid-year and year end reviews, and provided continuing refresher training to experienced inspectors. EPA and IDEM will no longer pursue enforcement training required for IDEM to prepare penalty calculations. EPA R5 will continue to prepare penalty calculations.

Resource Conservation Recovery Act (RCRA) RCRAInfo		L-7
IDEM Contact(s): Greg Overtoom	U.S. EPA R5 Contact(s): Darnell L. Wilson	Due Date: Monthly
U.S. EPA R5 Role: Provide program assistance.		
Goal 4:	Ensuring the safety of chemicals and preventing pollution.	
Objective 4.1:	Ensure chemical safety.	
Funding:	PPG	

Resource Conservation and Recovery Act (RCRA) information will be input into the RCRAInfo database on a monthly basis until the RCRAInfo data flows are put into production.

- a) IDEM will transfer the data and tracking functions from the Indiana RCRA Activities Tracking System (IRATS) into the agency's Environmental Information System (EIS) by the end of the second quarter of 2016. Once fully integrated, the EIS will be used to track all RCRA related regulatory activities and IRATS will be decommissioned.

**JA Status:** In progress. Data migration from IRATS was delayed by several months because the contractor did not deliver the migration scripts on time. The first test migration was done on 7/7/2016. We analyzed the results of the migration and sent a list of bug fixes and change requests to the TEMPO vendor, CGI, on September 30, 2016. CGI is reviewing the information and we're expecting to discuss the changes with them mid-October. It's anticipated that the fixes and change requests will be in place to do a second migration in November 2016.

**FA Status:** In progress. The third test data migration was completed and a list of issues was sent to the developer for correction. Final migration is expected before September 30, 2017.

- b) IDEM will develop Exchange Network data flows for all RCRAInfo schemas by September 2015. It should be noted that production data will not be available in our EIS or in the data flows until the first or second quarter of 2016.

**JA Status:** In progress. The RCRAInfo GIS data flow from the Production EIS to RCRAInfo Production was activated in January 2016. The Handler and Corrective Action data flows were completed during first and second quarters of 2016, but won't start flowing production data until the migration from IRATS to the EIS is completed.

**FA Status:** In progress. The third test data migration was completed and a list of issues was sent to the developer for correction. Final migration is expected before September 30, 2017.

- c) IDEM will collect Biennial Reports for the 2015 cycle using EasiTrak software.

**JA Status:** In progress. All of the Biennial Reports have been received except for a few that never responded. All of the Biennial Reports were received, reviewed and submitted to U.S. EPA on August 26, 2016, well ahead of the November 7, 2016 deadline.

**FA Status:** Complete. No further activities since August 2016.

- d) U.S. EPA R5 will provide program assistance for all data cleanup within RCRAInfo as needed. This includes all the modules within the national database.

**JA Status:** (EPA comment) Ongoing. EPA Region 5 and HQ provide IDEM with assistance as requested by IDEM and maintains IDEM abreast during quarterly conference calls.

**FA Status:** (EPA comment) Ongoing. Same as above.

Rule Development		L-8
IDEM Contact(s): Chris Pedersen	U.S. EPA R5 Contact(s): Mary Setnicar	Due Date: June 30, 2017
U.S. EPA R5 Role: Many rule updates are promulgated by U.S. EPA R5 and IDEM in mutually agreed upon time frames. Regarding the Research, Development and Demonstration (RDD) rule, U.S. EPA R5 will provide assistance where applicable.		
Goal 5:	Enforcing environmental law.	
Objective 5.1:	Enforce environmental law.	
Funding:	PPG	

Develop equivalent legislation, regulations and program revision applications for RCRA and hazardous and solid waste amendments (HSWA) / non-HSWA provisions for which the state is prepared to seek authorization. Submit current and future authorization packages within a mutually agreed upon time frame.

- a) IDEM will promulgate and pursue authorization for all RCRA Subtitle C annually and Subtitle I rules, as needed.

**JA Status:** In progress. IDEM is in the process of amending 329 IAC 3.1 to adopt the July 1, 2015, version of the Code of Federal Regulations (CFR) for the incorporation by reference of 40 CFR 260 through 40 CFR 270, and 40 CFR 273, to maintain equivalent and consistent requirements for IDEM's authorized hazardous waste program. The notice initiating the rulemaking was published in the [Indiana Register](#) on March 16, 2016 and the [draft rule](#) was adopted by the Environmental Rules Board on August 10, 2016. The promulgation packet has been submitted to the Office of the Attorney General for review and approval, after which it will be sent on to the Governor's office for signature and then sent to Legislative Services for publication and inclusion as updated in the Indiana Administrative Code. The rule becomes effective 30 days after it is received by Legislative Services. We anticipate the rule being effective in December of 2016. An exact date is not yet known.

**FA Status:** Complete. IDEM amended 329 IAC 3.1 to adopt the July 1, 2015, version of the Code of Federal Regulations (CFR) for the incorporation by reference of 40 CFR 260 through 40 CFR 270, and 40 CFR 273, to maintain equivalent and consistent requirements for IDEM's authorized hazardous waste program. The notice initiating the rulemaking was published in the [Indiana Register](#) on March 16, 2016 and the [draft rule](#) was adopted by the Environmental Rules Board on August 10, 2016 (). The [rulemaking](#) became effective on November 5, 2016 .

IDEM has assembled an updated Hazardous Waste Authorization Revision Application to submit to EPA Region 5 in order to receive authorization for recently adopted hazardous waste rules. The application includes hazardous waste rules that adopt requirements up to the July 1, 2015, version of the CFR. IDEM is planning to submit this application to EPA Region 5 after a court mandate is issued stemming from a recent court decision (API v. EPA (D.C. Cir. No. 09-1038)) for the 2015 definition of solid waste rule. IDEM incorporated by reference the 2015 definition of solid waste rule and it is included in the updated Authorization Revision Application. IDEM may amend the application if the court mandate affects the 2015 definition of solid waste rule.

- b) U.S. EPA R5 will provide assistance where applicable regarding the Research, Development and Demonstration (RDD) rule.



**JA Status:** (EPA comment) EPA R5 notified all R5 states that the RDD rule was issued on May 10, 2016. The rule was discussed during the Subtitle D meeting in September 2016. It is optional for states to incorporate this new rule.

**FA Status:** (EPA comment) EPA R5 discussed review of state RDD applications during the 2017 Subtitle D meeting. R5 approved RDD applications for MI, MN and IL. IDEM has not submitted a request for approval (it is optional for states). Region 5 looks forward to working with IDEM if this becomes a priority for the state.

Concentrated Animal Feeding Operations (CAFO) NPDES Permits & Enforcement			L-9
IDEM Contact(s): Charles Grady & Joseph Williams	U.S. EPA R5 Contact(s):Ryan Bahr & Julianne Socha	Due Date: June 30, 2016 & June 30, 2017	
U.S. EPA R5 Role (Water Division): Provide training on conducting CAFO inspections to IDEM staff, as requested. U.S. EPA R5 will be leading on enforcement where there is non-compliance with existing federal orders or where non-compliance is documented through a federal lead inspection.			
Goal 3:	Cleaning up communities and advancing sustainable development.		
Objective 3.2:	Preserve land.		
Funding:	PPG		

- a) Conduct compliance inspections at 20% of all CAFOs each fiscal year. There are currently 1,827 animal feeding operations permitted in Indiana. These include 701 concentrated animal feeding operations (CAFOs) and 1,126 smaller operations called confined feeding operations (CFOs). In addition to routinely inspecting 20% of the permitted CAFOs, inspections are also conducted in the categories listed below to determine whether facilities discharge or should be designated a CAFO.

- State regulated large and medium CAFOs with an NPDES permit.
- State regulated large CAFOs without an NPDES permit.
- State regulated medium AFOs without an NPDES permit.
- Small AFOs without an NPDES permit

**JA Status:** Complete. The CFO Compliance Staff have conducted a total of 159 inspections at state regulated large and medium size CAFOs without an NPDES permit. Indiana does not have any state regulated large and medium CAFOs with an NPDES permit.

Inspections at medium AFOs without an NPDES were conducted at 236 facilities. While there were 50 inspections conducted at small AFOs without NPDES permits.

**FA Status:** Complete. The CFO Compliance staff have conducted a total of 164 inspections at state regulated large and medium size CAFOs without an NPDES permit. Indiana does not have any state regulated large or medium CAFOs with an NPDES permit.

Inspections at medium AFOs without an NPDES were conducted at 163 facilities. While there were 34 inspections conducted at small AFOs without NPDES permits.

- b) Issue NPDES permits to 100% of the CAFO Individual NPDES permit holders by September 30, 2015, whose expiration dates are on or before September 30, 2015.



**JA Status:** Complete. There were no NPDES individual permit applications or approvals during the year. The last two NPDES Individual Permits that were in effect transitioned to approvals under the CFO rule (327 IAC 19) prior to December 31, 2015. These types of approvals do not allow a discharge from the facility.

During the period of July 1, 2015 to June 30, 2016 there were 121 new or expansion permit approvals issued, an increase of 14 over the previous year. Of these approvals, 51 were completely new operations.

**FA Status:** Complete. There were no NPDES individual permit applications or approvals during the year. The last two NPDES individual permits that were in effect transitioned to approvals under the CFO rule (327 IAC 19) prior to December 31, 2015. These types of approvals do not allow a discharge from the facility.

During the period of July 1, 2016 to June 30, 2017 there were 109 new or expansion permit approvals issued, an increase of 12 over the previous year. Of these approvals, 57 were completely new operations.

- c) U.S. EPA R5 will provide training on conducting CAFO inspections to IDEM staff, as requested. U.S. EPA R5 will be the lead on enforcement where there is non-compliance with existing federal orders or where non-compliance is documented through a federal lead inspection.

**JA Status:** (EPA comment) U.S. EPA has provided no training and have conducted one compliance inspections during this PPA cycle.

**FA Status:** (EPA comment) U.S. EPA has not been requested to perform training and one comprehensive evaluation inspection was conducted during this PPA cycle.

## Office of Water Quality (OWQ)

**JA Status:** (EPA comment) EPA concurs with IDEM's OWQ Program update, and offers the comments listed below.

**FA Status:** (EPA comment) Same as above.

Impaired Waters List and Water Quality Report		W-1
IDEM Contact(s): a) Marylou Renshaw & Jody Arthur	U.S. EPA R5 Contact(s): Mathew Gluckman & Vilma Rivera-Carrero	Due Date: a) April 1, 2016
U.S. EPA R5 Role: Timely review and comment on materials submitted. Provide guidance on report/list development. Provide continued support and guidance on the use of the Assessment Database.		
Goal 2	Protecting America's waters.	
Objective 2.2:	Protect and restore watersheds and aquatic eco-systems.	
Funding:	PPG	

Use the Assessment Database (ADB) to submit the Integrated Report (IR), including 303(d) List of Impaired Waterways by established deadlines. Complete quality assurance of information in ADB to ensure consistency with 303(d) list and other IR categories. Provide additional IR information (e.g., assessment methodology, GIS files) in other appropriate formats, as required by the IR Guidance (U.S. EPA WQ-7).

**JA Status:** Ongoing.

- IDEM submitted its 2016 IR, including the 303(d) List of Impaired Waters, the geospatial files, IDEM's Consolidated Assessment and Listing Methodology, and its ADB to U.S. EPA R5 on April 1, 2016 (the deadline). At the time of submittal, the state-mandated 90-day public comment period for the 303(d) list was still underway. IDEM awaits the U.S. EPA comments; the public comment period ended July 5, 2016. Once received, IDEM will compile all comments and develop its responses for submittal to U.S. EPA in an addendum to its 2016 IR.
- The scope of the quality assurance required to ensure consistency between the ADB and the 303(d) list and other IR categories has been broadened to include additional quality assurance required for the transition of IDEM's ADB to U.S. EPA's new ATTAINS database system. IDEM is one of a handful of state agencies participating the "beta" phase of the ATTAINS rollout. The expanded QA needed for this transition is ongoing.
- U.S. EPA R5 will provide timely review and comments on materials submitted, guidance on report/list development, and support and guidance on the use of the ADB.

**FA Status:** Complete and Ongoing.

- IDEM submitted an addendum to its 2016 IR, including revised versions of the IR narrative and several appendices on February 23, 2017. The revised appendices included IDEM 2016 Consolidated Assessment and Listing Methodology, the 303(d) List and Consolidated List, the Category 4 update, trends and trophic state assessments for lakes, comprehensive use support assessments and IR metadata. The addendum also included new appendices providing a summary of

changes to the 2016 303(d) list since its April 1 submittal, full text copies of all public comments received and IDEM's responses to public and U.S. EPA comments received.

- Ongoing. IDEM has focused most of its assessment database (ADB) QAQC efforts on non-AUID-specific issues with its data (e.g. cause codes, source codes and linkages between them, comment fields, etc.). The reach-specific QAQC described in this PPA has been folded into the larger scope of work involved in preparing IDEM's data for transfer into ATTAINS, which is currently underway. At the time this PPA was negotiated, the full scope of work required to migrate the data housed in IDEM's Assessment Database (ADB) was not fully known. Since then, it became evident that to complete the QAQC described in this PPA prior to IDEM finalizing its high-resolution Reach Index would have resulted in a great deal of redundant effort because our data management systems and our reports – the Reach Index, the ADB, and both the 303(d) and Consolidated Lists – are all connected via the Assessment Unit ID (AUID). Given this, the Reach Index, which serves as IDEM's "AUID list of record" needed to be finalized prior to the reach-specific ADB QAQC envisioned in this PPA. The Reach Index is now complete, and the work required to enter segmentation changes into the ADB is underway. This work will resolve most if not all the QAQC envisioned in this PPA and will facilitate more consistency between the data in the ADB and IDEM's 2018 303(d) and Consolidated Lists. IDEM anticipates completing this work and migrating its ADB data to ATTAINS prior to its submission of its Integrated Report and 303(d) List for the 2018 cycle.

**JA Status:** (EPA comment) Ongoing. EPA staff is working with IDEM staff to review its 2016 IR submittal and address comments. EPA submitted comments to IDEM's public noticed draft 2016 IR on August 3, 2016, and awaits the submittal of IDEM's 2016 IR addendum with responses. EPA is also working with IDEM on the transition to EPA's New ATTAINS database system.

**FA Status:** (EPA comment) Ongoing. EPA staff is working with IDEM staff to review its 2016 IR submittal and address comments. EPA received IDEM's responses to its comments to IDEM's public noticed draft 2016 IR, which were included in IDEM's 2016 IR addendum submittal on February 23, 2017. EPA also submitted comments to IDEM's 2016 IR addendum on August 9, 2017, and received IDEM's responses on October 6, 2017. EPA is also working with IDEM on the 2018 IR cycle transition to EPA's New ATTAINS database system, which will become the 'system of record' for the submittal, review and approval process of 303(d) lists and TMDLs, and for tracking strategic plan measures.

Total Maximum Daily Loads (TMDLs)		W-2
IDEM Contact(s): a) & c) Marylou Renshaw & Joe Schmees b) Marylou Renshaw & Cyndi Wagner		U.S. EPA R5 Contact(s): a) Peter Swenson b) David Werbach
U.S. EPA R5 Role: Timely review and comment, and contractor assistance, and provide guidance/other information on identifying causes/sources of impairment.		Due Date: a) September 30, 2015 & 2016 b) December 31, 2015 & 2016
Goal 2	Protecting America's waters.	
Objective 2.2:	Protect and restore watersheds and aquatic eco-systems.	
Funding:	State	

- a) TMDLs will be developed in accordance with the measures established by U.S. EPA R5 and U.S. EPA Headquarters' 303(d) Vision process for prioritizing and implementing the TMDL Program. IDEM must establish priorities and commit to meeting those priorities. IDEM will submit at least one watershed TMDL project each year. The number of segments/TMDLs will depend upon the watershed. For FFY 2015, IDEM will submit the Southern Whitewater TMDL and the Upper Mississinewa TMDL if there is time to finalize the assessments and conduct the public process. If the Upper Mississinewa TMDL is not complete for FFY 2015, it will be submitted in early FFY 2016 followed later that year by the South Fork blue river TMDL.

**JA Status:** Ongoing. The Southern Whitewater TMDL was submitted in August 2015, and approved by U.S. EPA in September 2015, with 84 bacteria, 1 nutrient, and 6 sediment TMDLs being approved. The Mississinewa has completed preliminary review by IDEM and U.S. EPA R5. IDEM is currently revising the draft TMDL document and will be putting it out for public notice once revised. The monitoring for the South Fork Blue River TMDL project has been completed, and the watersheds reassessed. The TMDL document is under development and will be submitted to meet commitments in 2017.

**FA Status:** Complete. The Mississinewa TMDL was submitted October 14, 2016, and approved by U.S. EPA in February 2017, with 66 bacteria, 49 nutrient, and 20 sediment TMDLs being approved. The South Fork Blue River TMDL was submitted on August 8, 2017 for meeting 2017 commitments, along with the submission of the U.S. EPA/Tetra Tech led St. Joseph River TMDL, also submitted August 8, 2017. These are currently under U.S. EPA review.

- b) Targeted Monitoring Studies - Monitor waters to provide information on sources and causes of impairments for use in the development of TMDLs and/or watershed plans. IDEM commits to at least one (1) watershed characterization study a year.

**JA Status:** Ongoing. The watershed characterization project for South Fork Blue River began November of 2014 and ended October of 2015. The watershed characterization project for Salt Creek began November of 2015 and will end October 2016.

- c) **FA Status:** Complete. The watershed characterization projects for the South Fork Blue River and Salt Creek have both been completed. South Fork Blue River data was incorporated in the TMDL submitted August 2017, and Salt Creek data is being incorporated in the TMDL document being developed for submission in 2018.-U.S. EPA R5 will provide timely review, comments, contractor assistance and will provide guidance or other information on identifying causes/sources of impairment.

**JA Status:** (EPA comment) Ongoing. EPA staff has been working with IDEM staff to review TMDL submittals and address comments as they arise. The final Mississinewa TMDL was received by Region 5 in October, 2016, and is undergoing final review. IDEM has committed to submit the South Fork Blue River TMDL in FFY 2017.

**FA Status:** (EPA comment) IDEM submitted the TMDLs to meet its annual commitments under the 303(d) Vision process, and EPA approved these TMDLs. IDEM committed to submit the Salt Creek TMDL for FY 18.

Wetland and Stream Impacts and Storm Water Permits		W-3
IDEM Contact(s): Randy Braun	U.S. EPA R5 Contact(s): a) Peter Swenson b) Brian Bell	Due Date: Ongoing
U.S. EPA R5 Role: Provide program assistance.		
Goal 2	Protecting America's waters.	
Objective 2.2:	Protect and restore watersheds and aquatic eco-systems.	
Funding:	Federal/State (Wetlands Mapping Impacts Grant)	

- a) Review applications and issue appropriate permits for wetland and stream impacts.

**JA Status:** Ongoing. IDEM continues to review permit applications for wetland and stream impacts and timely issue permits when appropriate.

**FA Status:** Ongoing. Same as above.

- b) Storm water permits – Review applications and issue appropriate permits for construction, municipal and industrial discharges of storm water.

**JA Status:** Ongoing. IDEM continues to review permit applications and timely issue permits when appropriate.

**FA Status:** Ongoing. Same as above.

- c) U.S. EPA R5 will provide program assistance.

**JA Status:** (EPA comment) Ongoing. EPA received and reviewed Indiana wetland inspection summaries and notices of non-compliance issued by IDEM under Indiana Code 13-13-5-1. EPA is working with IDEM to finalize the draft general permit for storm water discharges associated with construction activity. EPA will review the pre-draft general permit for storm water discharges from small municipal separate storm water systems (MS4s) and industrial facilities upon receipt from IDEM.

**FA Status:** (EPA comment) Ongoing. Same as above.

Office of Water Quality (OWQ) Permits		W-4
IDEM Contact(s): Paul Higginbotham & Jerry Dittmer	U.S. EPA R5 Contact(s): a) Kevin Pierard b) Kevin Pierard	Due Date: See below
U.S. EPA R5 Role: Provide timely review, technical assistance and comment and identify issues at an early stage in the process.		
Goal 2	Protecting America's waters.	
Objective 2.1:	Protect human health.	
Funding:	State	

- a) Municipal National Pollutant Discharge Elimination System (NPDES) Permits – Issue 95% of all identified priority NPDES permits, issue new permits within statutory time frames.

- Issue municipal priority permits within requested time frames.

**JA Status:** Not applicable. As of June 30, 2016, due to the elimination of a permit backlog, IDEM does not have any municipal priority permits.

**FA Status:** Not applicable. Due to maintained zero permit backlog, IDEM does not have any municipal priority permits.

- Maintain the backlog of municipal permits at 10% or less.

**JA Status:** Ongoing. IDEM has eliminated its backlog of municipal permits and continually strives to maintain that status.

**FA Status:** Ongoing. IDEM continues to maintain a zero municipal permit backlog, and strives to maintain that status. Issue new municipal NPDES permits within statutory time frames.

- Issue new municipal NPDES permits within statutory time frames.

**JA Status:** Ongoing. IDEM continues to issue new municipal NPDES permits within statutory timeframes.

**FA Status:** Ongoing. Same as above.

- U.S. EPA R5 will review NPDES discharge permits greater than 5 million gallons per day (MGD) in the Lake Michigan basin and NPDES discharge permits greater than 1 million gallons per day (MGD) that directly discharge to Lake Michigan.

**JA Status:** Ongoing. When IDEM receives an NPDES application that meets these criteria, IDEM sends a notification to U.S. EPA to let them know that the application was received and the permit is being drafted. In that initial notification IDEM requests that U.S. EPA notify OWQ if U.S. EPA wants to review the permit prior to public notice. Otherwise, IDEM automatically sends a copy of the draft NPDES permit to U.S. EPA for review at the time of public notice.

**FA Status:** Ongoing. Same as above.

**JA Status:** (EPA comment) IDEM and EPA will work collaboratively on the development of conditions to include in permits related to the reduction of nutrient loading into impaired waters and Lake Michigan.

**FA Status:** (EPA comment) EPA R5 plans on using the quarterly NPDES management calls to check in on the status of this and discuss ways to work collaboratively on this topic.

- b) Industrial NPDES permits – Issue 95% of all identified priority NPDES permits and issue new permits within statutory time frames.

- Issue industrial priority permits within requested time frames.

**JA Status:** Not applicable. As of June 30, 2016, due to the elimination of a permit backlog, IDEM does not have any industrial priority permits.

**FA Status:** Not applicable. Due to maintained zero permit backlog, IDEM does not have any industrial priority permits.

- Maintain the backlog of industrial permits at 10% or less.

**JA Status:** Ongoing. IDEM has eliminated its backlog of industrial permits and continually strives to maintain that status.

**FA Status:** Ongoing. IDEM, with rare exceptions, continued to maintain a zero Industrial permit backlog, and strives to maintain that status.

- Issue new industrial NPDES permits within statutory time frames.

**JA Status:** Ongoing. IDEM continues to issue new industrial NPDES permits within statutory timeframes.

**FA Status:** Ongoing. Same as above.

- U.S. EPA R5 will review permits previously identified for review, all general permits and individual permits for the major dischargers are listed below. U.S. EPA R5 will provide a non-objection letter once any objectionable issues U.S. EPA R5 raised have been resolved. IDEM and U.S. EPA R5 will evaluate the list annually (e.g. FY 2015 midterm adjustment) to identify additional permits for U.S. EPA R5 to review based on national and regional priorities and/or permits to remove from the list.

IN0000094	AM East modification <b>on appeal</b>
IN0000175	Arcelor Mittal Burns Harbor Modification <b>DONE</b>
IN0000205	AM West modification <b>on appeal</b>
IN0063355	Indiana Long Carbon <b>on appeal</b>
IN0063711	AM CWTP <b>carried forward to 2016 list</b>
ING040000	Coal Mining <b>carried forward to 2016 list</b>
ING080000	Petroleum Contaminated GW Remediation <b>DONE</b>
ING250000	Non-Contact Cooling Water <b>DONE</b>
ING340000	Petroleum Products <b>DONE</b>
ING490000	Sand and Gravel <b>DONE</b>
ING670000	Hydrostatic Test Water <b>DONE</b>
IN0000035	Praxair, Inc. - Lakeside Plant <b>DONE</b>
IN0000281	U.S. Steel Corp - Gary Works <b>DONE</b>
IN0021296	Angola WWTP <b>DONE</b>
IN0021466	Nappanee WWTP, City of – <b>DONE</b>
IN0020672	Auburn Municipal STP <b>DONE</b>
IN0000124	NIPSCO, D.H. Mitchell Generating Station <b>DONE</b>
IN0002160	American Electric Power, Tanners Creek Plant <b>DONE</b>
IN0002798	Duke Energy Indiana Gallagher Generating Station <b>DONE</b>
IN0025763	Crown Point Municipal STP <b>DONE</b>
IN0024368	Portage Utility Service Facility WWTP <b>DONE</b>
IN0025135	Austin WWTP <b>DONE</b>
IN0032476	Anderson WWTP <b>DONE</b>
IN0053201	NIPSCO - R M Schahfer Generating Station <b>DONE</b>
IN0000124	NIPSCO - D H Mitchell Generating Station <b>DONE</b>

**JA Status:** Ongoing. IDEM staff has updated this list to denote the permits which have already been reviewed and issued. The list above appears to be the FFY 2015 list. Below is the FFY 2016 list. [Blue text](#) is an indicator that U.S. EPA has completed its review of the permit.

**FA Status:** Ongoing. IDEM had previously shared a schedule for conversion of general permits with U.S. EPA, but the schedule needs to be revised. IDEM completed the initial rulemaking that allowed five of the existing general permits-by-rule to be issued administratively in November 2015. An additional rulemaking process will be needed before the remaining five general permits can be issued administratively. The OWQ is coordinating with our Office of Legal Counsel (OLC) on the second rule-making process. In the meantime, OWQ is working internally on drafting the remaining general permits in preparation for sharing with U.S. EPA and other stakeholders.

NPDES	Name
GP (formerly Rule 13)	STORM WATER RUN-OFF ASSOCIATED WITH MS4 CONVEYANCES <a href="#">see FA Status above</a>
GP (formerly Rule 14)	ON-SITE RESIDENTIAL SEWAGE DISCHARGING DISP SYSTEMS WITH ALLEN COUNTY <a href="#">see FA Status above</a>
GP (formerly Rule 15)	CONCENTRATED ANIMAL FEEDING OPERATIONS) <a href="#">IDEM no longer has a GP for CAFOs. Any NPDES issued to a CAFO would be an individual permit.</a>
GP (formerly Rule 5)	STORM WATER RUN-OFF ASSOCIATED WITH CONSTRUCTION ACTIVITY <a href="#">see FA Status above – note: EPA reviewed draft</a>
GP (formerly Rule 6)	STORM WATER DISCHARGE EXPOSED TO INDUSTRIAL ACTIVITY <a href="#">see FA Status above</a>
<a href="#">IN0000175</a>	<a href="#">ARCELOR MITTAL BURNS HARBOR MODIFICATION</a> <a href="#">on appeal</a>
<a href="#">IN0000388</a>	<a href="#">DANA LIGHT AXLE PRODUCTS, LLC</a> DONE
<a href="#">IN0001601</a>	<a href="#">TAGHLEEF INDUSTRIES</a> DONE
<a href="#">IN0020656</a>	<a href="#">KENDALLVILLE WWTP</a> DONE
<a href="#">IN0022462</a>	<a href="#">BUTLER WWTP</a> DONE
<a href="#">IN0022829</a>	<a href="#">EAST CHICAGO SANITARY DISTRICT WWTP</a> DONE
<a href="#">IN0024554</a>	<a href="#">SULLIVAN MUNICIPAL WWTP</a> DONE
<a href="#">IN0024741</a>	<a href="#">WABASH WWTP</a> DONE
<a href="#">IN0025755</a>	<a href="#">GOSHEN WWTP</a> DONE
<a href="#">IN0032191</a>	<a href="#">FORT WAYNE WWTP</a> DONE
<a href="#">IN0063711</a>	<a href="#">ARCELOR MITTAL CWTP</a> <a href="#">carried forward from 2015 list above – on appeal</a>
<a href="#">ING040000</a>	<a href="#">COAL MINING</a> <a href="#">carried forward from 2015 list above - see FA</a>



	Status above
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**JA Status:** (EPA comment) IDEM no longer has a GP for CAFOs. Any NPDES issued to a CAFO would be an individual permit.

**FA Status:** (EPA comment) Same as above.

- c) U.S. EPA R5 will provide timely review, technical assistance, comments, and identify issues at an early stage in the process.

**JA Status:** (EPA comment) Ongoing. IDEM staff has been working with U.S. EPA R5 staff to coordinate and facilitate the review of these NPDES permits. While periodic issues and differences of opinions regarding particular permit conditions and/or interpretations of regulations may arise, both agencies work cooperatively to achieve the common goal of issuing NPDES permits that are both legally defensible and timely-issued.

**FA Status:** (EPA comment) Same as above.

- d) By November 1, 2015, IDEM shall develop and submit a work plan for converting general permits-by-rule to administratively-issued general permits.

- The work plan shall include a schedule for issuing all general permits identified for conversion.
- IDEM will coordinate the issuance of the general permits with the General Permit rulemaking to ensure all current permittees retain coverage.
- U.S. EPA R5 will continue to work expeditiously to review the draft general permit language and once U.S. EPA R5 agrees, U.S. EPA R5 will issue a non-objection letter so IDEM can proceed with the public notice of the draft permit and subsequently the issuance of the final permit consistent with the MOA. U.S. EPA R5 has reviewed and provided such non-objection letters for five draft general permits.

**JA Status:** Ongoing. IDEM had previously shared a schedule for conversion of general permits with U.S. EPA, but the schedule needs to be revised. IDEM anticipates that a revised schedule will be sent to U.S. EPA by the end of 2016. With that said, IDEM completed the initial rulemaking that allowed five of the existing general permits-by-rule to be issued administratively in November 2015. An additional rulemaking process will be needed before the remaining five general permits can be issued administratively. The OWQ is coordinating with our Office of Legal Counsel (OLC) on the second rule-making process. In the meantime, OWQ is working internally on drafting the remaining general permits in preparation for sharing with U.S. EPA and other stakeholders.

**FA Status:** Ongoing. Same as above. U.S. EPA reviewed a draft for Construction Storm Water.

## Compliance Monitoring Strategy (CMS) for Wet Weather Programs, Combined Sewer Overflow (CSO) Long Term Control Plans (LTCP), Sanitary Sewer Overflow (SSO) and Storm Water

W-5

IDEM Contact(s): a) & b) Paul Higginbotham & Jerry Dittmer c) Mark Stanifer, d), e), f) & g) & Randy Braun		U.S. EPA R5 Contact(s): Kevin Pierard & Ryan Bahr	Due Date: See below
U.S. EPA R5 Role: U.S. EPA R5 will be the lead on certain environmentally significant CSO communities, working in partnership with IDEM to reach agreement on approvable long-term control plans and implementation schedules. U.S. EPA R5 will provide timely review and comment on technical non-rule policy and other documents submitted by IDEM.			
Goal 5:	Enforcing environmental laws.		
Objective 5.1:	Enforce environmental laws.		
Funding:	State		

Implement the alternative CMS plan for National Wet Weather Priorities. CAFO inspections will be conducted by the Office of Land Quality (see L-9).

- a) IDEM will participate in the review and approval of the long term control plans (LTCPs) and Consent Decree issues in CSO cases under federal lead, including Evansville, Gary, and Hammond (U.S. EPA PAM [SS-1]).

**JA Status:** Ongoing. IDEM and U.S. EPA staff continue to regularly participate in joint conference calls and meetings related to long term control plan and Consent Decree negotiations for Evansville, Gary, and Hammond. IDEM and U.S. EPA staff are also actively reviewing submittals related to these communities to further progress towards ultimate long term control plan approval and successful Consent Decree negotiation.

**FA Status:** Ongoing. Evansville's long term control plan has been successfully negotiated and Consent Decree entered. Gary Sanitary District's Consent Decree is awaiting entry, and IDEM and U.S. EPA staff continue to participate in joint conference calls and meetings related to negotiation of Hammond's Long Term Control Plan and Consent Decree.

- b) IDEM will continue LTCP compliance implementation by (U.S. EPA PAM [SS-1]):
- Monitoring milestone dates in the LTCP through site visits and review of documentation.
  - Monitoring compliance with limits (as applicable) through review of submitted monitoring reports.
  - Reviewing periodically the approved LTCPs.
  - Setting meetings (as needed) with communities and their consultants on the status of the implementation of the LTCPs.

Indiana has 72 major and 37 minor CSO communities. The 2014 CMS inspection frequency is to inspect all facilities every 5 years. In Indiana, that corresponds to approximately 15 major and 7 minor inspections, or 22 total each year. However, this is an unrealistic number of annual inspections due to the number of dedicated CSO Project Managers (3). In Indiana, 106 of the 109 communities have approved Long Term Control Plans in place. Based on the fact that the majority of CSO communities are now implementing approved LTCPs, IDEM is transitioning its CSO Wet Weather Program and existing staff (3 Full-time Equivalents, FTEs) from LTCP

development to LTCP implementation and compliance monitoring/tracking. Due to the limited staff resources, IDEM has developed a thorough computer tracking system through the use of the TEMPO Database. This compliance tracking system allows IDEM to get “the biggest bang for the buck” by allowing the majority of compliance tracking to occur and be reported on from the desks of the CSO Project Managers. This allows for the most efficient and effective use of staff time and retains their ability to contact multiple CSO communities on a daily basis on potential compliance issues that would not occur if the majority of their time was spent in the field driving between CSO communities, which can be a considerable distance apart. This compliance tracking approach is further enhanced by in the field inspections (CSO Audits) by the CSO Project Managers, as well as CSO DMR and MRO reviews (also done in the office) as part of our compliance monitoring strategy. The compliance tracking systems capabilities are now fully developed and in operation to track and report on all CSO LTCP implementation milestones as well as to maintain other valuable information related to each community. At a minimum, reports are run from this system on a monthly basis to determine if any CSO community is behind on any milestone task. These compliance tracking reports are utilized by the CSO Project Managers to prioritize their work addressing items of non-compliance that are found. This work could be in the form of informal phone calls to communities; formal written correspondence with response requested; and/or referral for enforcement. It should also be noted that in addition to the work performed by CSO Project Managers, all the CSO communities are covered by routine inspections from dedicated Inspection Section staff that go to all NPDES permitted facilities on a more frequent basis as required by the CMS. The Inspection Section staff coordinates with CSO Project Managers on a routine basis. While the majority of the CSO Project Manager’s time is now spent on compliance monitoring/tracking, they still have to devote time and attention to participating in the remaining Federal CD negotiations to assure that agreed upon LTCPs are developed and approved (Evansville, Gary and Hammond). Given IDEM’s monthly in-office compliance monitoring/tracking approach combined with in the field CSO Audits and routine inspections performed by the Inspection Section, the intent of 22 inspections at CSO communities per year is met and exceeded by IDEM committing to a minimum of 5 CEI level inspections/CSO audits between October 1, 2014 and September 30, 2015 and 8 between October 1, 2015 and September 30, 2016.

**JA Status:** Ongoing. The target of eight CEI level inspections/CSO audits for the time period October 1, 2015 thru September 30, 2016 was met. Tracking and compliance follow-up for long term control plan implementation milestones for each CSO community via a TEMPO database has continued and is evaluated monthly. Extensive “Level of Control” reviews (evaluating monitoring data, rainfall data, field audit information, and other factors) continue to be performed for communities which have fully implemented their long term control plans to ensure they achieved their required level of CSO control. Numerous meetings have been held with CSO communities to address compliance issues or to address necessary changes to approved long term control plans. Significant workload is currently being experienced due to the need to: review and approve amendments to approved long term control plans and revisions to CSO operational plans; conduct compliance tracking and Level of Control review follow-up; participate in federal consent decree

negotiation; participate in workgroups related to federal rulemaking for enhanced public notification for CSOs discharging to the Great Lakes; assist in CSO-related NPDES permitting activities; and further develop policies and approaches related to CSO program implementation. Low staffing levels exacerbate workload issues for this program.

**FA Status:** Ongoing. Although no specific CEI level inspections/CSO audits were specified for October 1, 2016 thru September 30, 2017, a total of seven were conducted. A loss of a CSO project manager during this time period resulted in a reduction in CSO audits.

- c) The 2014 CMS policy calls for a minimum inspection frequency of 5 percent of the Sanitary Sewer Systems (SSS) universe each year. IDEM has 577 permitted SSS which includes publicly owned treatment works (POTWs) and semi-public facilities. Separately owned satellite collection systems are not included in this inventory. This results in a CMS target of 29 systems per year. SSOs are evaluated as part of NPDES compliance inspections. Based on the commitments for NPDES compliance inspections (see W-7), IDEM already commits to inspect 289 systems with SSS each year and complete basic evaluations of the performance of these systems. Focused SSO-specific inspections will be scheduled as needed, based on information about overflow occurrences.

**JA Status:** Ongoing. During the review period July 1, 2015 – June 30, 2016, wastewater inspectors conducted 267 CEI inspections of permitted facilities in this category, all of which included an evaluation of separate sanitary sewers and sanitary sewer overflows.

**FA Status:** Ongoing. During the review period of July 1, 2016, through June 30, 2017, wastewater inspectors continued the routine inspection of POTWs and semi-public facilities with sanitary sewer collection systems. There were 582 inspections conducted in this population, including 356 CEIs. Also during this period IDEM engaged in conversations with U.S. EPA concerning the content of inspections that it considers to meet the criteria for this type of inspection. Up to this time IDEM did not have the same understanding as U.S. EPA as to what constituted a SSS inspection. Agreement on the subject was reached, and IDEM is actively devising a system for documenting and recording inspections that meet U.S. EPA's SSS inspection criteria.

SSS inspections conducted during the new review period will be documented and recorded in ICIS in accordance with the new understanding.

- d) IDEM will administer storm water programs by performing compliance inspections in the following areas: construction/land disturbance and industrial and municipal separate storm sewer systems (MS4s).

**Construction/Land Disturbance:** IDEM evaluates compliance of construction and land disturbance sites using multiple tools. This is a complex mixture of IDEM site inspections and use of MS4 programs to regulate projects. IDEM inspects permitted construction sites and review storm water pollution prevention plans. IDEM starts by giving the highest importance to those projects for which the agency has received complaints, projects outside MS4s that are greater than five acres, and those project sites owned and/or operated by a MS4. Past experience has shown that small sites

(one to two acres) do not require an extensive menu of storm water quality measures to remain in compliance or pose a significant threat to water quality as the larger project sites. IDEM also takes into consideration inspecting smaller sites if they are in an area where multiple smaller projects are within close proximity to one another. The construction site run-off program regulates land disturbing activities of one acre or more. The program is administered state-wide; however, the MS4 entities have an active role in regulating projects within their legal jurisdictions. Therefore, an MS4 is the primary entity assessing compliance of projects that occur within their jurisdiction. As part of the administration of the MS4 program, including reviewing annual reports and evaluating implementation of the MCMs over the last few years, IDEM has assessed the overall MS4 program and has identified the MS4s that have strong effective programs and those that may need improvement in administering one or more the MCMs. This internal knowledge of the MS4 program and the compliance status of individual MS4s will allow staff to prioritize which MS4s will be scheduled to further assess the program. IDEM has taken the approach that the MS4 is responsible for local projects. Based on how confident IDEM is that the MS4 is meeting the MCM for construction site run-off, determines how much over site IDEM will impose for sites within that MS4.

Storm water staff is responsible for reviewing storm water pollution prevention plans, conducting MS4 audits for the construction site run-off and post-construction minimum control measures, and inspecting industrial storm water sites. The 2014 CMS target is to inspect 10% of the universe each year. Based on IDEM's estimated universe of 8,200, the commitment would be 820 inspections annually. With only six staff that also have other responsibilities IDEM can conduct 300 inspections per year. However, since over 60% of sites fall within the boundaries of MS4 programs, the actual number of sites inspected by qualified inspectors is much higher than 300. IDEM cannot commit to a specific number of inspections performed by MS4s but between IDEM and MS4 inspections, the overall goal of the CMS program would be met.

In addition to investigating complaints, project sites are prioritized based on those that impact a footprint of five acres or more and that discharge to waters of state or otherwise may have significant impact to water quality. Wetlands Project Managers have also been cross trained and will assess erosion and sediment control compliance when visiting a site to evaluate violations of 401 water Quality Certifications and the Indiana Isolated wetland law.

Storm water staff conduct a limited number of plan reviews and education as part of program goals. Education is a key component of the program to establish expectations for compliance within the regulated community. The plan reviews are selected based on the complexity of the project. For those projects that go through a formal review process, it is evident that deficiencies are identified that upon correction in the plans will avoid compliance issues in the field once the plan is implemented. In addition, the presence of a plan review component establishes an expectation in the regulated community that plans are randomly evaluated and that all requirements of the construction site run-off general permit must be met to avoid possible delays if a plan is found to be deficient.

**JA Status:** Ongoing. IDEM continues to inspect Construction/Land disturbance sites for compliance with Indiana and Federal Laws. IDEM is on schedule to meet its commitments for inspections over the course of the PPA.

**FA Status:** Ongoing. IDEM conducted 521 Construction/Land disturbance site inspections. This is in addition to the inspections completed by MS4 programs within the state.

**Municipal Separate Storm Sewer System (MS4s):** The primary methods of assessing compliance are program audits, facility inspections, and compliance meetings. A compliance meeting is a follow-up to an inspection and/or an audit that is conducted to assess progress towards compliance. This element is not counted towards CMS coverage, but an integral part of follow-up with MS4s to bring the entity into compliance. The focused inspections (audits) are conducted in the field. The audits purpose are to assess implementation of the storm water quality management plan (SWQMP) and individual minimum control measures (MCMs). Indiana typically will conduct focused inspections (audits) on specific MCMs across the state within a given timeframe for all MS4s. This approach has allowed for more efficient use of staff time and provides a method for the agency to evaluate specific MS4 program components for all MS4 entities within a shorter timeframe. In subsequent years, other MCMs will become the focus for compliance assessment. The focused inspections are planned and scheduled in advance and compliance meetings and/or inspections may be a follow-up to an audit or an unannounced visit to further assess program compliance.

Indiana has 187 MS4's: 1 Phase I and 186 Phase II. The 2014 CMS minimum goal is to determine compliance of every MS4 every 5 years by way of an on-site audit, an MS4 inspection, or an off-site desk audit. Each MS4 should receive an on-site audit at least once every 7 years.

As part of the administration of the MS4 program, including reviewing annual reports and evaluating implementation of the MCMs over the last few years, IDEM has assessed the overall MS4 program and has identified the MS4s that have strong effective programs and those that may need improvement in administering one or more the MCMs. This internal knowledge of the MS4 program and the compliance status of individual MS4s will allow staff to prioritize which MS4s will be scheduled to further assess the program. This prioritization will take place based on specific MCMs.

In addition, the entire storm water program participates in educational opportunities to present information to the MS4s. This is achieved through an annual MS4 meeting at which IDEM along with MS4s develop an agenda that is specific to issues and/or program deficiencies that have been identified during the previous year. Compliance issues with a common theme are placed on the agenda as are accomplishments and innovative approaches that a MS4 or group of MS4s has taken to improve their overall program implementation. This is another approach to emphasize expectations and share information to improve the overall performance of MS4s on a statewide basis. In addition to education, IDEM reviews annual reports to assess compliance and aid in identifying the status of a MS4 in administering their program.

Based on this prioritization process, IDEM plans to conduct focused inspections on specific MCMs across the state. Eighty percent of all MS4s will receive a comprehensive audit of all MCMs; the remainder will receive an audit of the specific MCMs for which IDEM has determined to be deficient or operating at a level below expectations identified in the general permit.

To meet the 7-year goal, IDEM plans to conduct 25 focused inspections for the Construction and Post-construction MCMs annually. These MCMs include a field based assessment (site inspection and plan review) of how the MS4 administers their regulatory responsibility under the local ordinance. The other MCMs will be scheduled and completed on a seven-year cycle based on 60 focused inspections annually. The MCMs that are selected in a given year will be prioritized by a specific MCM and as necessary may include additional MCMs for which a specific MS4 has not demonstrated compliance. Regardless of which MCM is targeted, staff is aware that the MS4 program is a complex and comprehensive approach to achieve water quality objectives within highly urbanized areas and as necessary will make a determination to further investigate any and all program deficiencies that are discovered as part of focused inspection. While this approach achieves water quality objectives that U.S. EPA is seeking, the documentation process does not match up with the standard CMS. However, IDEM concludes that over the course of 7 years this strategy accomplishes the same if not more over sight of the program than what is stated in the CMS guidance.

**JA Status:** Ongoing. IDEM hired a new MS4 coordinator in April 2016. The new coordinator is getting up to speed and introducing themselves to the various communities. In the second half of the review period the coordinator will do multiple audits of various MS4 programs around to state to make sure that they comply with expectations.

**FA Status:** Ongoing. IDEM conducted 110 audits of facilities based on Minimum Control Measures.

**Industrial Storm Water:** The industrial storm water program is administered on a state-wide basis. Indianapolis, the only Phase I MS4 entity, is required to specifically address industrial storm water issues associated with industry. The Phase II entities do not have this requirement. However, the Phase II MS4s are often aware of storm water discharges from industrial sites that are either reported through citizen hotlines or discovered as part of the illicit discharge detection and elimination (IDDE) minimum control measure. Based on these criteria, the MS4 will refer these incidents to the IDEM Storm Water Program to further investigate. In addition, the MS4 may also levy fines based on the local IDDE ordinance. The Office of Land Quality (OLQ) also inspects facilities such as salvage yards and landfills. Many of these facilities also have industrial storm water permits. The OLQ has trained staff that are familiar with storm water regulations and will cite a facility for a storm water violation and/or report the incident to the Storm Water Program to further assess compliance. The number of referrals annually averages 20 to 30 and will either prompt a follow-up inspection, issuance of a compliance letter, or a violation letter based on the severity of the issue identified in the OLQ inspection report. A similar process is in place for inspections conducted by the Office of Water Quality (OWQ) Wastewater inspectors, although their inspections are not focused on storm water

issues, it is not uncommon for the Storm Water Program to receive referrals, including photos and observations of the wastewater inspector which allows storm water staff to follow-up with compliance and often collaborate between the two program to pursue compliance.

IDEM does provide training and outreach to operators and organizations that are directly associated with industrial facilities subject to the storm water general permit rule. In addition, the storm water program has coordinated closely with the Compliance Technical Assistance Program (CTAP) of IDEM that meets with industry one on one and also conducts outreach.

Inspections completed by storm water staff will include operating facilities, as well as facilities that have claimed an exemption, and/or facilities that have been the subject of complaints. In addition to complaints, facilities are prioritized for inspections based on referrals from: MS4 entities that may have identified an illicit discharge; the IDEM OLQ and OWQ wastewater inspectors based on a facility that was identified to have significant facility management issues related to storm water run-off; facilities that discharge to waters of state or otherwise may have significant impact to water quality (also included are facilities in portions of the state where discharges may be associated with infiltration or discharges to karst), and facilities that have submitted monitoring reports with elevated sampling parameters.

The 2014 Compliance Monitoring Strategy (CMS) includes a goal of inspecting 10% of the universe each year. IDEM has 1600 active permits and 650 no-exposure exclusions. The CMS annual goal is based on the number of active permits only and translates into 160 total inspections. These inspections are conducted by the same field staff that perform inspections on active construction sites and perform focused inspections of several of the minimum control measures under the MS4 permitting program. In addition, not all MS4 owned and operated facilities are required to obtain permit coverage under the industrial storm water permitting program. These facilities, when targeted for an inspection, will be considered as part of the industrial CMS commitment as many of the same elements are reviewed during the compliance inspection. Therefore, IDEM commits to 90 inspections per year between October 1 and September 30.

**JA Status:** Ongoing. IDEM conducted 106 inspections between October 1, 2015 and September 30, 2016.

**FA Status:** Ongoing. IDEM conducted 221 Industrial inspections during the 2015 – 2017 PPA cycle.

- e) Evaluate storm water violations and take timely action in accordance with the state's NPDES enforcement management system.

**JA Status:** Ongoing. As IDEM discovers violations, IDEM takes action to get the violator back into compliance. If efforts to return compliance are not timely met, IDEM takes action and refers the violation to enforcement.

**FA Status:** Ongoing. IDEM staff evaluates violations as they are discovered through inspections, complaints, and as they are found while driving. IDEM takes action to return the violators back into compliance and mitigate any impacts that may have



occurred. IDEM made violators obtain permits if the violating party had not previously obtained a permit.

- f) Track storm water compliance monitoring and compliance assurance actions in accordance with established data requirements and reporting time frames.

**JA Status:** Ongoing. IDEM is in the process of entering in all the information into our TEMPO data base. This allows for more efficient tracking of compliance.

**FA Status:** Ongoing. During the review period OWQ staff established records for all MS4 and industrial storm water facilities in its TEMPO database. Records for the industrial storm water facilities were successfully migrated to ICIS during this period. As these facilities now begin to enroll in NetDMR, we are making plans to begin entering compliance inspections into ICIS.

Joint State/U.S. EPA R5 Clean Water Act (CWA) Enforcement and Permitting Work Plan			W-6
IDEM Contact(s): Paul Higginbotham, Mark Stanifer & David Tennis	U.S. EPA R5 Contact(s): James Coleman, Jack Bajor & Ryan Bahr	Due Date: Annual Basis	
U.S. EPA R5 Role: Lead, assist or work share as specified in the annual work plan. U.S. EPA R5 will submit a summary report to Headquarters on behalf of the state by December 31 annually thereafter. Take action to improve performance if IDEM is not meeting performance expectations. Ensure compliance with all federal consent decrees and administrative orders.			
Goal 5:	Enforcing environmental laws.		
Objective 5.1:	Enforce environmental laws.		
Funding:	Federal/State (Permitting and Enforcement Grant)		

U.S. EPA R5 and IDEM, working together, will conduct a CWA annual planning process to identify and discuss national, regional and state priorities versus available resources at both the state and federal levels consistent with CWA Action Plan guidance, to be concluded no later than September 30 of each year. The resulting collaborative annual work plans will use all available mechanisms to get work done, such as federal and state work sharing and innovative approaches to monitoring facilities or addressing violations.

- a) Cooperate in developing and implementing the annual Joint State/U.S. EPA R5 CWA Enforcement and Permitting Work Plan.

- Participate in annual planning meetings to develop collaborative annual work plans, which may be conducted during the initiation and/or midterm PPA evaluations.

**JA Status:** Ongoing. The annual work plans are timely developed and implemented.

**FA Status:** Complete. Same as above.

- Participate in routine and regular meetings to discuss progress toward meeting annual permitting and enforcement commitments, and discuss how the state has been performing overall in the NPDES program.

**JA Status:** Ongoing. When meetings are scheduled, IDEM participates.

**FA Status:** Ongoing. IDEM participates in scheduled meetings with U.S. EPA to discuss progress and overall performance of the NPDES program.

- b) Track priorities established and selected for each federal fiscal year.

**JA Status:** Ongoing. IDEM tracks the priorities established.

**FA Status:** Ongoing. Same as above.

- c) U.S. EPA R5 will lead, assist or work share, as specified, in the annual work plan. U.S. EPA R5 will submit a summary report to U.S. EPA Headquarters on behalf of the state annually, by December 31. U.S. EPA R5 will take action to improve performance if IDEM is not meeting performance expectations, and will ensure compliance with all federal Consent Decrees and Administrative Orders.

**JA Status:** (EPA comment) IDEM and EPA R5 collaborated to finalize the FY16 enforcement and permitting joint work plan and coordinated on several open and pending federal Consent Decrees.

**FA Status:** (EPA comment) The effort of developing an annual enforcement/permitting joint work plan was phased out in FY17, but priorities identified in previous plans continue to be addressed.

Compliance Monitoring Strategy (CMS) for Core National Pollution Discharge Elimination System (NPDES) Programs			W-7
IDEM Contact(s): a) Mark Stanifer & Bridget Murphy, b) Mark Stanifer c) – f) Mark Stanifer & Gary Starks	U.S. EPA R5 Contact(s): James Coleman, Jack Bajor & Patrick Kuefler	Due Date: a, b, c, d, g) Annual Basis; e, f) Ongoing.	
U.S. EPA R5 Role: Provide program assistance.			
Goal 5:	Enforcing environmental laws.		
Objective 5.1:	Enforce environmental laws.		
Funding:	State		

U.S. EPA HQ's current national CMS became effective at the beginning of Federal Fiscal year 2015. Indiana's continuing state-specific CMS, for purposes of this PPA agreement, runs from October 1, 2015, through September 30, 2017. The goal is to maintain an adequate enforcement and compliance assistance program to help ensure that NPDES violations are prevented and, when violations occur, they are adequately addressed.

- a) NPDES Compliance Inspections from October 1, 2015, through September 30, 2017:

- Majors: - Of 185 total, conduct compliance evaluation inspections (CEI) or compliance sampling inspections (CSI) at 50% of major NPDES facilities annually. The goal is that 100% of the universe will receive a CEI or CSI inspection every two years, in accordance with the national CMS.

**JA Status:** Ongoing. During the review period July 1, 2015 through June 30, 2016, wastewater inspectors conducted 94 CEI inspections of permitted Major dischargers. The expectation for this period was 93 CEIs.

**FA Status:** Complete. During the review period of July 1, 2016 through June 30, 2017, wastewater inspectors conducted 125 inspections of major dischargers, 98 of which were CEI inspections (53%). The expectation for this period was 93 CEIs.

For the entire two year effective period of this PPA, 192 facilities in this group received CEI inspections, for 104% coverage of the universe.

- Minors – Of 722 total municipal and industrial “IN0” facilities: Traditional minor NPDES facilities, for purposes of the PPA, include individual non-major municipal and industrial facilities with permit numbers beginning with “IN0.” Conduct inspections at 50% of “traditional” minor NPDES facilities annually. Half of those inspections are to be CEIs or CSIs. The goal is that 100% of the universe will receive some type of inspection every two (2) years and 100% of the universe will receive a CEI or CSI inspection every four (4) years.

**JA Status:** Ongoing. During the review period July 1, 2015 through June 30, 2016, wastewater inspectors conducted 480 inspections of traditional minor NPDES facilities, 277 of which were CEIs. The commitment is 361 total, and 181 CEI/CSIs.

**FA Status:** Complete. During the review period of July 1, 2016 through June 30, 2017, wastewater inspectors conducted 414 inspections of individual minor industrial and municipal NPDES permit holders, 211 of these were CEIs. For the two year effective period of this PPA, 894 facilities in this group were inspected (124%), of which 488 were CEIs (67.6% of the universe).

- Minors – Of 172 total industrial pretreatment “INP” facilities: Conduct CEIs at 100% of the universe annually.

**JA Status:** Ongoing. During the review period July 1, 2015 through June 30, 2016, wastewater inspectors conducted 149 inspections of permitted facilities in this category, including 117 CEIs. Plans are in place to complete CEIs for all 172 facilities during the two year cycle.

**FA Status:** Ongoing. During the review period of July 1, 2016 through June 30, 2017, wastewater inspectors conducted 105 inspections of IWP permit holders, 86 of these were CEIs. For the two year effective period of this PPA, 254 facilities in this group were inspected (148%), of which 203 were CEIs (118%). IDEM contends that the requirement to conduct CEIs at 100% of IWP permit holders annually in the expiring PPA was not intentional, and should have been 50% annually or 100% for the two year term. The current PPA which became effective July 1, 2017 includes the 50% annual requirement.

- Minors – Of 41 state and federal “IN0” facilities: Conduct CEIs at 100% of the universe every two (2) years.

**JA Status:** Complete. During the review period July 1, 2015 through June 30, 2016, wastewater inspectors conducted 30 inspections of permitted facilities in this category, including 21 CEIs. The commitment for this time period was 21 CEIs. IDEM is on track to meet the 100% coverage expectation during the two-year cycle.

**FA Status:** Complete. During the review period of July 1, 2016 through June 30, 2017, wastewater inspectors conducted 28 inspections of individual minor, major state and federally-owned NPDES permit holders, 22 of these were CEIs. For the entire two year effective period of the 2015 - 2017 PPA, 58 facilities in this group were inspected (141%), of which 43 were CEIs (105%).

- Major and minor mixed ownership or semi-public facilities: Of 269 total, conduct CEIs or CSIs at 50% of mixed ownership NPDES facilities annually. The goal is 100% of the universe will receive a CEI or CSI inspection every two (2) years.

**JA Status:** Ongoing. During the review period July 1, 2015 through June 30, 2016, wastewater inspectors conducted 126 inspections of permitted facilities in this category, 94 of which were CEIs. Plans are in place to complete CEIs for all 269 facilities during the two year cycle.

**FA Status:** Ongoing. During the review period of July 1, 2016 through June 30, 2017, wastewater inspectors conducted 204 inspections of individual minor and major mixed ownership/semi-public NPDES permit holders, 138 of these were CEIs. For the entire two year effective period of the 2015 - 2017 PPA, 330 facilities in this group were inspected (123%), of which 232 were CEIs (86% of the universe).

- General permits “ING” facilities: Of 307 total, conduct CEIs, CSIs, or reconnaissance inspections at 25% of the universe each year. This excludes facilities with general permit coverage such as MS4s, industrial storm water sites, construction storm water sites, and those covered under the vessel general permit.

**JA Status:** Ongoing. During the review period, July 1, 2015 through June 30, 2016, wastewater inspectors conducted 133 inspections of permitted facilities in this category, including 39 CEIs.

**FA Status:** Complete. During the review period of July 1, 2016 through June 30, 2017, IDEM wastewater inspectors conducted 79 inspections of general NPDES permit holders in this category, and the Indiana Department of Natural Resources, Division of Reclamation inspectors conducted an additional 52 inspections of coal mines (131 total), 73 of these were CEIs, for a coverage rate of 25.7% for the IDEM inspections alone, and 42.7% overall.

- Respond to 100% of complaints.

**JA Status:** Ongoing. Inspection staff continues to respond to 100% of complaints in a timely manner, in coordination with the IDEM complaints coordinator and the regional offices. Complaints and their responses are recorded in the TEMPO application, and many also result in an inspection report.

**FA Status:** Ongoing. Same as above.

- b) Conduct nine (9) industrial pretreatment audits annually (20% of approved local pretreatment programs) assuring that all SIUs for those programs have control mechanisms (U.S. EPA PAM [WQ-14a]).

**JA Status:** Ongoing. During the review period July 1, 2015 through June 30, 2016, all nine agreed-to annual industrial pretreatment audits were conducted.

**FA Status:** Ongoing. During the review period July 1, 2016 through June 30, 2017, the nine agreed-to industrial pretreatment audits were conducted.

- c) Conduct QA/QC reviews of submitted self-monitoring data to evaluate reliability.

**JA Status:** Ongoing. Compliance Data staff continue to conduct routine/ongoing QA/QC review of submitted DMRs, both those submitted via NetDMR and those still being submitted on paper. When issues are identified, the responsible party is contacted and asked to make corrections and resubmit the report(s).

**FA Status:** Ongoing. Compliance Data staff conduct a thorough QA/QC review of submitted DMRs, both those submitted via NetDMR and those few still being submitted on paper on a continuing basis. When data issues are identified, the responsible party is contacted and asked to make corrections and resubmit the report(s).

d) Significant non-compliers (SNC):

- Goals are to maintain the SNC rate for majors below 10%, as measured on a quarterly basis. SNC rate shall be below 17% on an annual basis.

**JA Status:** Ongoing. For the review period July 1, 2015 through June 30, 2016, the SNC rate was as follows:

- Q1 (July through September 2015) = 4.7 %
- Q2 (October through December 2015) = 6.3 %
- Q3 (January through March 2016) = 6.8 %
- Q4 (April through June 2016) = 7.3%
- SFY (July 2015 through June 2016) = 11.5 %

**FA Status:** Ongoing. For the review period July 1, 2016 through June 30, 2017, the SNC rate was as follows:

- Q1 (July through September 2016) = 3.2%
- Q2 (October through December 2016) = 6.3%
- Q3 (January through March 2017) = 5.8%
- Q4 (April through June 2017) = 6.3%
- SFY (July 2016 through June 2017) = 12.2%

e) Evaluate all violations and take timely action (informal and formal), in accordance with the state's NPDES enforcement management system.

**JA Status:** Ongoing. Violations that are identified by the Compliance Branch are evaluated and responded to timely and appropriately through a number of means, including calls, e-mails, inspection reports, and noncompliance letters. Violations requiring formal enforcement action are referred to the Surface Water Operations and Enforcement (SWOE) Branch, Enforcement Section. This typically happens after the Compliance Branch has issued a Noncompliance Letter, and the response does not indicate that the permittee is on a satisfactory track to timely return to compliance. The Enforcement Section initiates timely and appropriate formal action, within the boundaries of the Indiana Code, Indiana Administrative Code, and established IDEM policies and procedures.

**FA Status:** Ongoing. Same as above.

f) Enter wastewater compliance monitoring and compliance assurance actions into Integrated Compliance Information System – National Pollution Discharge

Elimination System (ICIS-NPDES), in accordance with established data requirements and reporting time frames.

**JA Status:** Ongoing. NPDES compliance data from DMRs, WETT reports and related documents, along with inspection events and findings, are timely entered into ICIS-NPDES. Even as IDEM approaches full participation of traditional NPDES permit holders in NetDMR (where reported compliance data automatically uploads to ICIS), there are still many events from inspections, compliance review, and the remaining paper DMRs that must be manually entered. The general timeliness of compliance data entry into ICIS has improved significantly with the majority of NPDES permit holders now using NetDMR.

**FA Status:** Ongoing. NPDES compliance data from DMRs, WETT reports and related documents, along with inspection events and findings, are timely entered into ICIS-NPDES. Even with essentially full participation in NetDMR, there are still many events from inspections, and compliance review that must be manually entered. The general timeliness of compliance data entry into ICIS is very good, even as IDEM works to implement more of the requirements of the Federal eReporting rule.

- g) U.S. EPA R5 will provide program assistance.

**JA Status:** (EPA comment) EPA R5 provides program assistance as needed.

**FA Status:** (EPA comment) EPA implemented quarterly compliance and enforcement calls and conducted State roundtable to enhance communication.

Safe Drinking Water Act (SDWA)		W-8
IDEM Contact(s): a) & g) Stacey Jones, b, c, d, e) Mary Hollingsworth f) Liz Melvin		U.S. EPA R5 Contact(s): Tom Poy Due Date: a, b, c, d, g) Ongoing; e) Annually f) Ongoing.
U.S. EPA R5 Role: a) Review and approve rules, b) Maintain and update the Safe Drinking Water Information System (SDWIS) database including the state version, SDWIS-state, c) Provide compliance assistance, e) Take necessary enforcement action to help reduce the level of non-compliance among small water systems, and f) Provide support for continued development and improvement of the SDWIS / Prime, and g) Encourage CWA/SDWA Program Integration.		
Goal 2:	Protect America's waters.	
Objective 2.1:	Protect human health.	
Funding:	PPG	

- a) Implement new federal safe drinking water rules, including re-codifying state rules as outlined in the Annual Resource Deployment Plan (ARDP).

**JA Status:** Ongoing. IDEM is currently operating under an Emergency Rule for RTCR that incorporates the federal rule by reference. A public hearing for preliminary adoption of the rule was held on August 11, 2016. Final adoption hearing is scheduled for November 2016. The rule will be incorporating the federal rule by reference. IDEM is also in the process of revising the LT2ESWTR, GWR, LCRSTR and Stage 2 DDBPR

**FA Status:** Complete. IDEM applied for primacy for the Revised Total Coliform Rule on February 28, 2017 and received interim primary enforcement authority on March 23, 2017 for this rule.

- b) Submit all required federal reporting as referenced in the Annual Resource Deployment Plan (ARDP), which tracks Strategic Targets SDW-211, SP1.N11, SP2,

SP4a, and SP4b, as well as Program Activity Measures SDW-01a, 04, 05, and SDWA02.

**JA Status:** Ongoing. The final FY 2016 - 2017 ARDP was submitted to U.S. EPA and the final update/revision was submitted and approved July of 2016.

**FA Status:** Ongoing. Same as above.

- c) Maintain the Public Water Supply Supervision Program by maintaining a database management system SDWIS that accurately tracks the inventory (including routine updates of system information), violations and enforcement, sampling information and compliance determination for all safe drinking water contaminants.

**JA Status:** Ongoing. The Drinking Water Branch, compliance section, maintains SDWIS daily for inventory, sampling, violations and enforcement, legal entity, results and compliance determinations. IDEM's SDWIS/state utilizes all current versions (including patches) and applications of SDWIS.

**FA Status:** Ongoing. Same as above.

- d) All violations - All public water systems (PWSs) with violations will first receive a violation letter. For systems that do not correct the violation after receiving the violation letter, IDEM will initiate formal enforcement actions, as appropriate, consistent with agency policies and procedures.

**JA Status:** Ongoing. Monitoring and reporting (M/R) violation letters are issued monthly for all community water systems (CWS) and noncommunity water systems (NCWS) with a population greater than 1,000 for the total coliform rule (TCR) while quarterly M/R violation letters are issued for NCWS with a less than 1,000 population. For other rules, M/R violations are issued within 30 days after the end of the monitoring period. If a public water system (PWS) meets IDEM's enforcement referral protocol (ERP) and/or U.S. EPA's Enforcement Response Policy (U.S. EPA ERP) and Targeting Tool, they will be referred to OWQ's enforcement section. The Drinking Water Branch maintains a list of all enforcement action referrals made and provides a monthly update to the OWQ enforcement section and U.S. EPA to ensure that commitments are on track and on time.

**FA Status:** Ongoing. Same as above.

- e) Maximum Contaminant Level and Treatment Technique Violations - 92% of population served by community water systems will receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection (SDW-211).

**JA Status:** Ongoing. As of June 30, 2016, 96.92% of the population served by a community PWS were not delivered water with a MCL or TT violation.

**FA Status:** Ongoing. As of June 30, 2017, 99.36% of the population served by a community PWS were not delivered water with a MCL or TT violation.

- f) Sanitary surveys at public water supply systems (PWSs) - Complete sanitary surveys at PWSs consistent with SDWA and as outlined in the ARDP.

**JA Status:** Ongoing. IDEM continues to conduct and report all sanitary surveys on a schedule consistent with the ARDP.

**FA Status:** Ongoing. Same as above.

- g) Encourage CWA/SDWA Program Integration – Assist the Clean Water Act Program in development of a methodology for assessing drinking water use. Where possible, encourage data sharing and protection of surface water sources of drinking.

**JA Status:** IDEM has developed a draft CWA Section 305(b) water quality assessment methodology applicable to surface waters that serve as source water for public water supplies (PWSs). This methodology was published in IDEM's Notice of Public Comment Period for its draft 2016 303(d) list. IDEM awaits U.S. EPA comments on its 303(d) list and assessment methodology. Comments from the public and U.S. EPA will be taken under consideration as IDEM works to finalize its revised methods for assessments of the drinking water use. IDEM anticipates implementing these methods in the 2018 303(d) listing cycle.

IDEM is currently planning to sample the source waters of at least six public surface water supply systems to evaluate the performance, and suitability, of the CyanoDTec total Cyanobacteria/Toxin Gene analysis method for the detection of cyanobacteria and gene expressing cyanotoxins; in comparison of the ELISA method. IDEM plans to use this information for future harmful algal bloom (HAB) guidance for PWS monitoring and trend analyses.

**FA Status:** Ongoing. IDEM is currently sampling the source waters of at least six public surface water supply systems to evaluate the performance, and suitability, of the CyanoDTec total Cyanobacteria/Toxin Gene analysis method for the detection of cyanobacteria and gene expressing cyanotoxins; in comparison of the ELISA method. IDEM plans to use this information for future harmful algal bloom (HAB) guidance for PWS monitoring and trend analyses.

- h) U.S. EPA R5 will:
- Review and approve rules.
  - Maintain and update the SDWIS database including the state version, SDWIS-state.
  - Provide compliance assistance.
  - Take necessary enforcement action to help reduce the level of non-compliance among small water supply systems.
  - Provide support for continued development and improvement of SDWIS/Prime.

**JA Status:** (EPA comment) Ongoing, during this period rule review was not required by IDEM. The SDWIS database is up-to-date and maintained. EPA did not have an occasion to provide compliance assistance or take necessary enforcement actions. Support for continued development and improvement of SDWIS/Prime is ongoing.

**FA Status:** (EPA comment) Ongoing, during this period IDEM submitted and EPA R5 issued interim primacy to IDEM for the Revised Total Coliform Rule. EPA R5 will be submitting the package to EPA-HQ for their review. We acknowledge the SDWIS/State database is up-to-date and maintained by IDEM. The Region is pleased that IDEM is a pilot State for SDWIS/Prime and will continue ongoing



support for its development and improvement. EPA R5 did not have an occasion to provide compliance assistance or take necessary enforcement actions.

Surface Water Quality Monitoring Strategy		W-9
IDEM Contact(s): a), b) & d) Marylou Renshaw, Cyndi Wagner, & Stacey Sobat c) Mike Sutton	U.S. EPA R5 Contact(s): Linda Holst, Mari Nord & Ed Hammer	Due Date: Annually
U.S. EPA R5 Role: Provide assistance in revising monitoring strategy. Review and provide comments on draft and final products. Work with IDEM to implement the strategy and identify resources to address identified gaps. Work with IDEM to identify resources to address issues identified in the strategy and provide technical assistance/guidance as requested. Provide meeting support and travel support as available. Encourage CWA/SDWA Program integration.		
Goal 2:	Protect America's waters.	
Objective 2.2:	Protect and restore watersheds and aquatic ecosystems.	
Funding:	PPG	

a) Implement the 2011-2019 Water Monitoring Strategy in the 2015 and 2016 monitoring seasons (U.S. EPA PAM WQ-6a (FY15)) IDEM will use the PPA update reporting procedures to provide information on progress, with the elements and level of details agreed upon by IDEM and U.S. EPA R5.

- Monitor waters, utilizing the probabilistic monitoring design to provide sufficient data to adequately assess the status of Indiana's surface water quality following the schedule identified in the IDEM Monitoring Strategy. During the current sampling season (summer 2015), IDEM will sample a minimum of 38 sites in the Upper Wabash River Basin. Next sampling season (summer 2016), IDEM will sample a minimum of 38 sites in the lower Wabash basin (U.S. EPA PAM WQ-6a (FY15)).

**JA Status:** Ongoing. The 2015 probabilistic monitoring of the Upper Wabash River Basin was completed in the summer of 2015. All biological sampling of the Lower Wabash basin was completed by the end of September 2016. Two rounds of water chemistry sampling is complete; and the third round is scheduled for the week of October 24, 2016, which will complete all probabilistic monitoring.

**FA Status:** Complete. The 2015 probabilistic monitoring of the Upper Wabash River Basin was completed. The 2016 probabilistic monitoring of the lower Wabash basin was completed.

- Monitor waters employing a targeted design based on the data quality objectives and to support the following: water quality standards (WQS) development, NPDES permitting and compliance, public health advisories, to address emerging water quality issues, to determine water quality trends and to evaluate the performance of programs.

**JA Status:** Human Health Ongoing. The cyanobacteria surveillance program and fish tissue sampling program were completed for 2015. Sampling for the cyanobacteria surveillance program was completed August 25, 2016 and fish tissue sampling was completed for 43/45 sites, with two sites being unsuitable for sampling.

**FA Status:** Ongoing. Cyanobacteria surveillance and fish tissue sampling program were complete for 2016. Cyanobacteria surveillance is ongoing as of June 30, 2017. 5/36 fish tissue sites were sampled by June 30, 2017. In 2015

fish tissue sampling at 28 sites occurred in the Great Lakes Lake Michigan and Lake Erie drainage basins of Indiana, the Ohio River Valley tributaries and the Indiana waters of Lake Michigan. A special fish tissue collection effort was conducted in Cedar Creek, Auburn, IN at the request of the Office of Land Quality in pursuit of a PCB contamination investigation. In 2016 fish tissue sampling occurred in the West Fork White River and Patoka River basins as well as annual sample collection from the Indiana waters of Lake Michigan. Samples were also collected from four locations on the Grand Calumet River area of concern (AOC) under a U.S. EPA Capacity Grant.

**JA Status:** WQS development Ongoing. As part of a 10-year ongoing project to refine the IBI for aquatic assemblages, 25 reference sites were sampled in 2015 and in 2016.

**FA Status:** Complete. As noted above, 25 reference sites were sampled in 2015 and 2016. Nine of the 28 sites sampled for the Nutrient Pilot Project are reference sites which were sampled in August 2017. The Nutrient Pilot Project began in July 2017 and will be reported on in the 2017 - 2019 PPA cycle.

**JA Status:** Performance Measures Monitoring Completed in 2015 = Silver Creek (IBC and E. coli), Flowers Creek (E. coli, IBC, nutrients, and DO), Indian Creek (IBC); Ongoing in 2016 = Busseron Creek (DO, IBC, nutrients), Eagle Creek (E. coli and IBC).

**FA Status:** Completed in 2016 = Busseron Creek (DO, IBC, nutrients), Eagle Creek (E. coli and IBC). Ongoing to June 30 2017: E. coli in Curtis Creek-Yeoman Ditch sub-watershed, water chemistry Round 1 & 2, respectively, in Ell Creek sub-watershed, Fish community in sub-watersheds: Kilmore Creek; Ell Creek; South Fork Wildcat Creek; Curtis Creek-Yeoman Ditch.

**JA Status:** Other Ongoing. Peabody Somerville East Mine sampling for Hat Creek reclamation project.

**FA Status:** Ongoing. In the summer of 2016, thermal profiles and macroinvertebrate samples were collected using Hester-Dendy samplers below the Cayuga Generating Station on the Wabash River to characterize and assess the biological community. Identification of those macroinvertebrate samples is nearing completion. The fish community and additional thermal profiles are scheduled for summer of 2017 and will be reported on in the 2017 - 2019 PPA cycle.

- b) Participate in regional monitoring newsletter, webinars and activities, as resources allow.

**JA Status:** Ongoing. OWQ managers and staff have participated in webinars on water research, water quality monitoring, monitoring and assessment partnership, national aquatic resource surveys, and climate change regional monitoring networks.

**FA Status:** Complete. OWQ managers and staff have participated in webinars on water research, water quality monitoring, monitoring and assessment partnership, national aquatic resource surveys, and regional monitoring networks.

- c) IDEM will continue to implement a regular schedule to upload water quality data to U.S. EPA HQ's national Storage and Retrieval (STORET) system through an updated Assessment Information Management System (AIMS) database.

**JA Status:** Ongoing. All surface water chemistry and bacteriological data are uploaded from the AIMS database to STORET through the IDEM WQX Node as soon as Water Assessment Planning Branch (WAPB) quality assurance processes are completed. WAPB surface water chemistry and bacteriological data generated from 2014 through 2015 are available in the STORET file INSTOR\_WQX. Fish community data in AIMS from 1996 through 2015 (n=57 projects) were uploaded successfully to STORET. Fish community data will be uploaded on an annual basis following all verification and quality control processes. A macroinvertebrate community upload will be completed after discrepancies between AIMS and STORET naming conventions are rectified.

**FA Status:** Ongoing. The WAPB surface water, bacteriological, sediment, and fish tissue chemistry data for 2015 and 2016 have completed internal quality assurance review and have been uploaded from the AIMS database to STORET. Over the agreement period the WAPB conducted 25 projects resulting in the upload of 231,822 records to STORET, which is 97% of all lab and field data generated. Once any remaining data generated from 2017 projects have completed QA review, then they will be uploaded into STORET. In addition, during this agreement period the WAPB expanded data uploads in STORET to include Non-Point Source (NPS) data generated from external sources through EPA 319 and 205j grants. Currently 18 NPS projects with 91,895 records have been entered into AIMS and successfully uploaded into STORET, which is 96% of all lab and field data received. Since 2010, including both internal and external data, the WAPB has uploaded a total of 377 projects and 2,320,555 records into STORET. The 2016 fish community data encountered errors when trying to upload to STORET. Macroinvertebrate naming conventions have not been rectified between AIMS and STORET. Currently, the WAPB is working with several external data generators to import additional data into AIMS and subsequent upload to STORET.

- d) IDEM will provide separate, timely reports, as required by the grant agreements, on all activities funded by the monitoring initiative funds (specific activities are identified in separate amended grant work plans, including implementation of the national surveys and monitoring strategy activities).

**JA Status:** Ongoing.

FFY 2011 - 2012 and FFY 2012 - 2013 semi-annual grant reports submitted.

FFY 2011 - 2012: Statistical Analysis of IDEM Fixed Station Water Quality Data to Determine Feasibility of Reducing Frequency of Monitoring from Monthly to Quarterly and to Look at Long Term Water Quality Trends – Complete; Developing an Unconsolidated Aquifer Sensitivity Map for Indiana – Complete; 2012 National Lake Assessment - Ongoing.

FFY 2012 - 2013: Low Flow Statistics for Indiana Streams.

**FA Status:** Ongoing.

FFY 2014 - 2015: Reference site selection completed. Fish and macroinvertebrate Biological Condition Gradient completed and reports published. New fish and macroinvertebrate Index of Biotic Integrity metrics were chosen and report published. Contractor working on AIMS database enhancements to accommodate the new metrics.

- e) Develop a methodology for assessing drinking water use. Where possible, encourage data sharing and protection of sources of drinking water.

**JA Status:** Ongoing. IDEM has developed a draft CWA Section 305(b) water quality assessment methodology applicable to surface waters that serve as source water for public water supply (PWS). This methodology was published in IDEM's Notice of Public Comment Period for its draft 2016 303(d) list, which ended July 5, 2016. IDEM awaits U.S. EPA comments on its 303(d) list and assessment methodology. Comments from the public and U.S. EPA will be taken under consideration as IDEM works to finalize its new methods for assessments of PWS use. IDEM anticipates implementing these methods during the 2017 - 2019 PPA cycle.

**FA Status:** Ongoing. IDEM is currently sampling the source waters of at least six public surface water supply systems to evaluate the performance, and suitability, of the CyanoDTec total Cyanobacteria/Toxin Gene analysis method for the detection of cyanobacteria and gene expressing cyanotoxins; in comparison of the ELISA method. IDEM plans to use this information for future harmful algal bloom (HAB) guidance for PWS monitoring and trend analyses.

- f) U.S. EPA R5 will:

- Provide assistance in revising monitoring strategy.
- Review and provide comments on draft and final products.
- Work with IDEM to implement the strategy and identify resources to address identified gaps.
- Work with IDEM to identify resources to address issues identified in the strategy and provide technical assistance/guidance as requested.
- Work with IDEM to identify specific areas where CWA and SDWA resources can be used jointly to prevent and mitigate contamination of drinking water sources.

**JA Status:** (EPA comment) EPA is waiting for IDEM to submit their revised monitoring strategy. Once EPA receives the strategy, EPA will review the strategy and provide written feedback to IDEM. One of the mechanisms that EPA has to help the states fill gaps in their monitoring strategies is by funding monitoring projects with supplemental Section 106 funds and IDEM has taken advantage of these funds. IDEM has submitted updates regularly on their 106 monitoring initiative grants and submits their grant applications in a timely fashion.

EPA Region 5 continues to provide technical and contract support for the refinement of the fish and macroinvertebrate IBIs and the development of the Biological Condition Gradient models for Indiana streams and rivers.

Regarding the drinking water use assessment, the Regional EPA CWA/SDWA Integration Team has worked for the past few years with the states (including

Indiana) on what should be considered for an adequate methodology for assessing drinking water use impairments. The IDEM's description of this activity along with the list of items where EPA Region 5 can provide assistance are completed and on-track for IDEM to make significant progress in this area.

**FA Status:** (EPA comment) EPA Region 5 and IDEM held a conference call on May 1, 2017 to discuss the updated monitoring strategy submitted by IDEM in February of 2017. Additionally, initiative projects were discussed as they related to identified gaps in the monitoring strategy. IDEM has been submitting their 106 initiative grants regularly but was late in submitting the FY17 grant application which was partially due to the late announcement in the funds by EPA.

Region 5 and contract support for the refinement of the fish and macroinvertebrate IBIs and the development of the BCG models for Indiana rivers and streams has finished and the reports and databases have been delivered to IDEM.

US EPA appreciates the effort and progress IDEM has made towards their STORET data submissions, while acknowledging there are still remaining issues to be addressed. These relate primarily to the differences in naming conventions between AIMS and STORET. While we understand that there are ongoing efforts to resolve these issues, please feel free to contact R5 STORET coordinator Jonathan Burian ([burian.jonathan@epa.gov](mailto:burian.jonathan@epa.gov)) if further assistance is needed.

EPA Region 5 continues to provide technical and programmatic assistance to IDEM on the recent enhancements to the public water supply use assessment methodology.

Water Quality Standards		W-10
IDEM Contact(s): a), b), c), d) & e) Martha Clark Mettler & Eileen Hack	U.S. EPA R5 Contact(s): Linda Holst & David Pfeifer	Due Date: Ongoing
U.S. EPA R5 Role: Participate in rulemaking workgroups or meetings, as requested by IDEM. Review draft IDEM work products and provide timely comments. To the extent that resources are available, assist IDEM with travel support for regional meetings, such as the Regional Technical Assistance Group (RTAG) and Water Quality Standards (WQS) meetings.		
Goal 2:	Protect America's waters.	
Objective 2.2:	Protect and restore watersheds and aquatic ecosystems.	
Funding:	Federal Water Quality Grants	

IDEM will work to complete timely water quality standards (WQS) revisions.

- a) IDEM will work with external stakeholders to update metals criteria to reflect current science. IDEM's goal is to have the revised metals criteria language by December 30, 2015.

**JA Status:** Ongoing. IDEM has rule revision language drafted, but is reviewing the recently finalized recommendation for selenium to determine if it should be incorporated into this WQS update.

**FA Status:** Ongoing. Same as above.

**JA Status:** (EPA Comment) EPA provided technical comments on an early draft of the updated metals criteria and identified several proposed criteria that are not consistent with EPA's most recent criteria recommendations and/or where more recent science appears to show that more protective criteria than those proposed by IDEM are necessary to protect aquatic life, including endangered species. EPA

urges IDEM to address EPA's comments prior to finalization of the proposed rulemaking in order to prevent potential disapprovals.

**FA Status:** (EPA comment) Ongoing. Same as above.

- b) IDEM will revise the nutrient criteria development plan to accurately reflect achievable milestones, including, but not limited to, reevaluating data and assessing options to overcome implementation challenges (U.S. EPA PAMs WQ-1a, WQ-1d and WQ-26 (FY15)), participate in regional activities (Regional Technical Assistance Group (RTAG) meetings and conference calls), and provide U.S. EPA R5 with revisions to the nutrient criteria development plan by August 1 of each fiscal year and interim work products for U.S. EPA R5 input (U.S. EPA PAM WQ-1d and WQ-26 (FY15)).

**JA Status:** Ongoing. IDEM submitted its 2016 Nutrient Criteria Development Milestones for FY 2017 on July 26, 2016. IDEM is on track with what was proposed and revised last year.

**FA Status:** Ongoing. Same as above.

**FA Status:** (EPA comment) In FY17, IDEM provided data relevant to nutrient criteria development to EPA HQ with the intention of working with EPA HQ scientists to identify technically-defensible nutrient criteria for inland lakes.

**FA Status:** (EPA Comment) Ongoing. Same as above

- c) IDEM will evaluate updating human health methods and human health criteria outside of the Great Lakes Basin.

**JA Status:** Ongoing. IDEM is evaluating updating the HH methods and criteria.

**FA Status:** Ongoing. Same as above.

**JA Status:** (EPA comment) EPA has not received to date, and therefore has not reviewed or commented on, updated human health criteria from IDEM, although human health criteria were discussed during a monthly state/tribal conference call. The Region commits to providing the necessary review and comment on draft updated criteria when proposed by IDEM.

**FA Status:** (EPA comment) Ongoing. Same as above.

- d) IDEM will evaluate adopting of U.S. EPA's recently published 304(a) aquatic life criteria recommendations for ammonia and other pollutants (e.g., carbaryl, nonylphenol, acrolein, diazinon, etc).

**JA Status:** Ongoing. IDEM is evaluating all criteria that are not the same as U.S. EPA's current recommendations.

**FA Status:** Ongoing. Same as above.

**JA Status:** (EPA Comment) EPA has not received to date, and therefore has not reviewed or commented on, updates to Indiana's ammonia or other 304(a) aquatic life criteria (except for metals; see a) above). EPA R5 commits to providing the necessary review and comment on draft updated criteria when proposed by IDEM.

When conducting a triennial review, if a state chooses not to adopt new or revised criteria for any parameters for which EPA has published new or updated CWA

section 304(a) criteria recommendations, the state must explain its decisions when reporting the results of its triennial review to EPA.

**FA Status:** (EPA comment) Ongoing. Same as above.

- e) IDEM will review and initiate the process to update, if necessary, its multiple discharger variances for mercury.

**JA Status:** Ongoing. IDEM is reviewing and evaluating the need to update its multiple discharger variance for mercury and also its implementation procedures.

**FA Status:** Ongoing. Same as above.

**JA Status:** (EPA Comment) Any variances in Indiana need to comply with the requirements of 40 CFR 132 (Great Lakes Water Quality Guidance for variances within the Great Lakes basin) and 40 CFR 131.14 (i.e., the new variance requirements in the federal WQS regulation for all variances within Indiana). If IDEM has any questions concerning their existing multiple discharger variance and the new variance requirements, please let EPA know and we can schedule a call to discuss.

**FA Status:** (EPA comment) Ongoing. Same as above.

- f) U.S. EPA R5 will:

- Participate in rulemaking workgroups or meetings, as requested by IDEM.
- Review draft IDEM work products and provide timely comments.
- Assist IDEM with travel support for regional meetings (RTAG, WQS) as resources are available.

**JA Status:** (EPA comment) EPA has had conversations with IDEM on potential updates to Indiana's bacteria standards but hasn't been asked to participate on any WQS rulemaking work groups because the pace of IDEM's WQS rulemaking efforts has slowed significantly. EPA encourages IDEM to garner the necessary resources to make the necessary revisions to Indiana's WQS, including incorporating the latest science and ensuring Indiana's WQS conform with EPA's revised WQS regulation.

**FA Status:** (EPA comment) Ongoing. Same as above.

## Homeland Security

**JA Status:** (EPA comment) EPA concurs with IDEM's Homeland Security Program update, and offer the comments listed below.

**FA Status:** (EPA comment) Same as above.

BioWatch		H-1
IDEM Contact(s): Richard Zeiler & Steve Lengerich	U.S. EPA R5 Contact(s): Shelly Lam & Leonard Zintak	Due Date: To be established
U.S. EPA R5 Role: Guidance and federal coordination.		
Goal 1:	Taking action on climate change and improving air quality.	
Objective 1.2:	Improve air quality.	
Funding:	State	

- a) Conduct BioWatch monitoring in Indianapolis at eight (8) locations.

**JA Status:** Ongoing. The Air Monitoring Branch conducted BioWatch monitoring at eight sites in FY2016. The monitoring will continue at seven of the current locations. Due to construction at the eighth site, it was relocated in September 2016 for 12-15 months.

**FA Status:** Ongoing. The Air Monitoring Branch continues to operate all eight BioWatch monitoring sites. The School #21 site was relocated back to the school campus after construction was completed.

- b) U.S. EPA R5 will provide guidance and federal coordination.

**JA Status:** (EPA comment) U.S. EPA attended BioWatch Advisory Committee meetings and provided technical support as needed.

**FA Status:** (EPA comment) Same as above.

## Office of Program Support (OPS)

**JA Status:** (EPA comment) EPA concurs with IDEM's OPS Program update, and offer the comments listed below.

**FA Status:** (EPA comment) Same as above.

Provide Compliance Assistance to Regulated Entities		P-1
IDEM Contact(s): Jennifer Collins	U.S. EPA R5 Contact(s): Andrew Anderson	Due Date: See below
U.S. EPA R5 Role: Provide support and guidance.		
Goal 5:	Enforcing environmental laws.	
Objective 5.1:	Enforce environmental laws.	
Funding:	State	

- a) Work with businesses, municipalities, and trade associations to educate regulated entities on their compliance requirements. Provide guidance and technical assistance for compliance with air, waste and water regulations. Develop guidance, perform site visits, and answer calls about state and federal regulations.



**JA Status:** Ongoing. IDEM continues to offer compliance assistance through the Compliance and Technical Assistance Program (CTAP) in relation to all environmental regulatory programs: air, land and water. CTAP activities are tracked and the following metrics help to measure program success and staff performance. In 2015, the CTAP staff performed 189 site compliance assistance site visits and connected with approximately 2,000 entities to offer our compliance assistance through presentations, booths at environmental conferences and individual introductory site visits to businesses.

**Compliance and Technical Assistance Numbers for 2015:**

- 921 total phone contacts

587 Air	79 Water
141 Land	114 Multi-Media/ Misc. Assistance

- 189 Site Visits
- Presented information at 26 events to 1,207 attendees

**Additional Technical Assistance Provided:**

- Worked to update the Environmental Management 101 training for small to medium sized companies with no EHS managers or with EHS managers that have little or no environmental experience to become knowledgeable in the basics of environmental management.
- Promoted cooperation between IDEM and regulated entities.
- Provided CTAP Follow-up Letters to each company assisted. Follow-up letters clarify requirements to the customer and can be used to demonstrate the customer is proactively pursuing compliance to IDEM inspectors.
- Continued to provide rule updates to small businesses from the Small Business Regulatory Coordinator within CTAP.

**FA Status:** Ongoing. IDEM continues to offer compliance assistance through the Compliance and Technical Assistance Program (CTAP) in relation to all environmental regulatory programs: air, land and water. CTAP activities are tracked and the following metrics help to measure program success and staff performance.

**Compliance and Technical Assistance Numbers for 2016:**

- 754 total phone contacts

440 Air	57 Water
109 Land	148 Multi-Media/ Misc. Assistance

- Provided site visits to 100 businesses
- Provided written assistance to 180 businesses

- Presented information at 21 events to 846 attendees

**Additional Technical Assistance Provided:**

- Provided assistance to the Environmental Stewardship Program (ESP) members and CLEAN Community program members.
- Updated portions of the IDEM Environmental Management 101 training for small to medium sized companies to become knowledgeable in the basics of environmental management. Prepared the E101 Air Module and conducted five trainings throughout Indiana with 175 attendees total in March and April 2017.
- Worked with IDEM and other state Small Business Environmental Assistance Programs (SBEAP) on several compliance and permitting initiatives such as the initiative with Region 5 to educate the regulated community of National Emissions Standards for Hazardous Air Pollutants (NESHAP) 6W for Electroplaters who use metals other than chromium to plate.
- Continued to manage small business regulatory coordinator duties as described in IC 4-22-2-28.1 by providing rule summaries for small businesses.

b) U.S. EPA R5 will provide support and guidance.

**JA Status:** (EPA comment) Region 5 does not have any specific involvement in this activity, but we can forward callers interested in finding options to IDEM contacts when they call.

**FA Status:** (EPA comment) Same as above.

Unwanted Medicines Disposal Guidance in Indiana		P-2
IDEM Contact(s): Jennifer Collins	U.S. EPA R5 Contact(s): Jerri-Anne Garl	Due Date: See below
U.S. EPA R5 Role: Provide advice and guidance.		
Goal 4:	Ensuring the safety of chemicals and preventing pollution.	
Objective 4.2:	Promote pollution prevention.	
Funding:	State	

a) Provide guidance and technical assistance for proper disposal of unwanted medicines. Develop guidelines for collections conducted by law enforcement, solid waste management districts, pharmacies, and municipalities, as well as local drug task forces.

**JA Status:** Ongoing. In 2015, in cooperation with the Indiana Prescription Drug Abuse Prevention Task Force Take Back Committee, IDEM developed a factsheet, "Disposal of Unused Medication in Schools," which was then distributed by the Indiana Department of Education to schools to assist nurses with proper disposal of unclaimed medications left by students. IDEM continues to provide a website addressing proper disposal and collection of unwanted medications and uses this site to post updates. In addition, IDEM participates in the Take Back Taskforce and regularly answers phone calls from the public about how and where to properly dispose of medications.

**FA Status:** Ongoing. IDEM continues to work in cooperation with the Indiana Prescription Drug Abuse Task Force through the Indiana Attorney General's office. IDEM assisted with a take back event in April 2017 at the Earth Day Festival in Indianapolis. During this festival over 100 pounds of unwanted medicines was collected. IDEM continues to provide assistance to individuals inquiring about disposal of unwanted medicines. IDEM worked with several local law enforcement officials to ensure that they were informed of the proper disposal methods.

b) U.S. EPA R5 will provide advice and guidance.

**JA Status:** (EPA comment) Region 5 does not have any specific involvement in this activity, but we can forward callers interested in finding options to IDEM contacts when they call.

**FA Status:** (EPA comment) Same as above.

Measurement of Solid Waste Diversion and Recycling		P-3
IDEM Contact(s): Pat Daniel	U.S. EPA R5 Contact(s): Jerri-Anne Garl	Due Date: See below
U.S. EPA R5 Role: Provide technical assistance and lend support accomplish this goal.		
Goal 4:	Ensuring the safety of chemicals and preventing pollution.	
Objective 4.2:	Promote pollution prevention.	
Funding:	State	

a) Continue to work with the waste hauler industry to measure solid waste diverted from disposal or recycled. Research best measurement options that will enable IDEM to calculate these figures with high levels of accuracy.

**JA Status:** Completed. IDEM conducted the following activities:

- IDEM implemented a web-based reporting system using Re-TRAC Connect to improve the agency's ability for collecting, analyzing, and managing solid waste disposal and recycling data.
- Technical assistance and outreach addressed Indiana's new reporting for recycling activities. Shipments of recyclables (amount and type) are tracked by destination categories: (1) shipments to in-state recycler facilities, (2) shipments through a broker, (3) shipments to in-state manufacturers/end users, and (4) shipments to out-of-state destinations.
- The report, "IDEM 2015 Recycling Activity Summary," is now available. It presents an overview of state recycling reporting and data collection methods, 2015 data results, and planned reporting improvements, as the state works toward a 50 percent recycling goal.
- Indiana participated in EPA's State Data Measurement Sharing Program for reporting of solid waste disposal and recycling data.
- Registered recyclers with the Indiana E-Cycle Program collectively recycled 25,704,055 pounds of covered electronic devices in 2015. On-line reporting will begin in 2017.

**FA Status:** Completed. The IDEM 2016 Recycling Activity Summary was completed in May 2017. The report summarized the 2016 data collection results and reported on the state's progress toward a 50 percent recycling goal. The amount of municipal

solid waste recovered for recycling and composting was 1,272,445 tons. The 2016 Indiana Recycling Rate is 16.7 percent.

Registered recyclers with the Indiana E-Cycle Program collectively recycled 32,810,972 pounds of covered electronic devices in 2016.

- b) U.S. EPA R5 will provide advice and guidance.

**JA Status:** EPA Region 5 supported the State Data Sharing Program, which provided IDEM the opportunity to consider the types of waste and recycling data other states collect and the approaches other states use for reporting. EPA congratulates IDEM on establishing a system for gathering state-wide recycling data.

**FA Status:** EPA thanks IDEM for their participation in the state measurement program and looks forward to continuing our collaboration on measuring progress in solid waste and recycling programs.

## Office of Legal Counsel (OLC)

**JA Status:** (EPA comment) EPA concurs with IDEM's OLC Program update, and offer the comments listed below

**FA Status:** (EPA comment) Same as above.

Environmental Justice (EJ)		C-1
IDEM Contact(s): Valerie Tachtiris		U.S. EPA R5 Contact(s): Alan Walts
U.S. EPA R5 Role: Provide advice and guidance.		Due Date: See below
Goal 3:	Cleaning up communities and advancing sustainable development.	
Objective 3.3:	Promote livable communities and informed participation in environmental decision making.	
Funding:	State	

- a) Review grant and cooperative agreement opportunities to better focus IDEM's EJ outreach initiatives to local communities on targeted issues.

**JA Status:** Ongoing. IDEM is committed to ensuring fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income. IDEM believes that all Hoosiers deserve clean air, land and water. Because socioeconomically distressed communities often experience greater environmental challenges, IDEM's focus is often on such communities. Good examples of this focus can be found in Lake County, Indiana communities such as East Chicago, Hammond and Gary. IDEM has dedicated numerous resources to improving these communities. For example the Grand Calumet River restoration project has dramatically improved the environmental health of the river and surrounding areas through IDEM's partnership with EPA, other state and federal agencies, as well as local officials. IDEM is also committed to providing information using language, terms, and media that are accessible to the affected communities.

**FA Status:** Ongoing. Same as above.

- b) Update IDEM's website section on EJ.

**JA Status:** Withdrawn. IDEM has rescinded its Environmental Justice (EJ) policy and replaced it with Nondiscrimination Policy A-085-AW-16-P-R0. IDEM's focus is on ensuring that all Hoosiers have clean air, land and water, and prioritizes resources based on the threats presented to the community, rather than the socioeconomic status of the community. In order to better reflect its policies, IDEM has removed its website page on Environmental Justice.

**FA Status:** Completed. After initially rescinding and replacing the original EJ policy, IDEM has modified the policy and posted the revised policy to the agency's website. IDEM will provide a copy of the final policy to U.S. EPA.

**JA Status:** (EPA comment) EPA requests a copy of the Nondiscriminatory Policy A-085-AW-16-P-R0

**FA Status:** (EPA comment) EPA looks forward to receiving a copy of the final policy, and to working with IDEM to effectuate environmental justice.

## Office of Chief of Staff

**JA Status:** (EPA comment) EPA concurs with IDEM's E-Enterprise update, and will continue working collectively with IDEM.

**FA Status:** (EPA comment) Same as above.

E-Enterprise			E-1
IDEM Contact(s): Brian Rockensuess & Jeremy Chenevert		U.S. EPA R5 Contact(s): Allen Melcer	Due Date: September 30, 2016 & 2017.
U.S. EPA R5 Role: Provide advice and guidance.			
Goal 1:	Improve environmental protection through better program performance.		
Objective 1.1:	Continually improve the effectiveness and efficiency of programs within IDEM.		
Funding:	State		

a) Improve environmental protection through better program performance.

**JA Status:** Ongoing. IDEM will continue to develop process automation by routing received content through the portal to the VFC. This portal will also allow IDEM to create workflows and tasks for staff based on the type of content submitted. IDEM is working on the development of field collection applications using Esri Collector for mobile. This field observation application which will automatically sync with ArcGIS Online and will allow inspectors to capture images, notes, and location information on site visits much easier.

**FA Status:** Ongoing. IDEM has continued to provide mobile devices to field staff. In doing so, this has allowed for the collection and transfer of content and information to centralized locations. IDEM field staff are using Esri Collector and iPad applications to record shape files. IDEM continues to pull content from EPA's NetDMR and automatically upload and index into IDEM's Virtual File Cabinet (VFC) which has already saved 1000 (or more) hours in staff time. IDEM continues to explore other opportunities to expand this functionality to other program areas.

b) Enhance services to stakeholders and agency partners.

**JA Status:** Ongoing. IDEM continues to find methods, processes, and platforms that make it easier for the public and the regulated community to submit data, information, and content. IDEM is also seeking new ways to allow the public to use services to access information. IDEM is in the process of developing a secure web based online portal that would allow submission of content and data to IDEM. This portal would allow anyone to review the status of a permit, submit a public records request, file a complaint, and search for documents in VFC. Internally, this portal would provide a platform for publishing and centralizing applications for IDEM staff. This portal will allow persons in the regulated community to create an account and submit data to IDEM using Cross-Media Electronic Reporting Rule (CROMERR) Shared Services. IDEM will continue to work with ArcGIS Online for publishing interactive mapping applications for mobile and desktop use.

**FA Status:** Ongoing. IDEM is pursuing an enterprise Citizen Portal that would allow for complete ability to receive all forms of electronic content from the public and regulated community. IDEM spent the past year completing the Enterprise Information System Planning Project with the goal of understanding need and collection of requirements that will help IDEM in the near term with system selection. IDEM has continued to enhance its in-house build portal for Permit Status Search, Online Complaints, Online Public Records Request, and the Virtual File Cabinet.

- c) Operate IDEM and EPA R5 partnership as a transformative model for joint governance.

**JA Status:** Ongoing. IDEM continually seeks to look for opportunities to partner with U.S. EPA and states. IDEM has demonstrated this by being the first state with an approved CROMERR solution. IDEM was also the first state to implement in production CROMERR Shared Services and was also the first to successfully submit a complete data set through ICIS-AIR. IDEM also actively engages its neighboring states including those states that are users of IDEM's enterprise environmental management system (TEMPO360). IDEM has communicated that it is willing to openly share all of our solutions, source code, and lessons learned with EPA and partner states.

**FA Status:** Ongoing. IDEM as the lead state (along with 4 other partner states) was awarded a 2016 National Environmental Information Exchange Network (NEIEN) grant for the development of baseline functionality in the shared information system platform for the National Pollutant Discharge Elimination System (NPDES) eReporting Rule. IDEM is making great progress on this grant work and expect to have updates delivered for testing within a few months. IDEM is also in the process of applying for the 2018 NEIEN grant for the development of a Drinking Water Watch 2.0 reporting application that would interface directly with Safe Drinking Water Information System (SDWIS) Prime and could be utilized by any state that is using SDWIS Prime. Partner states currently being petitioned would have input on the reporting functionality developed.

- d) IDEM will annually report a list of ongoing or planned activities that fall within the scope of elements a) through c).

**JA Status:** Ongoing.

- Improve environmental protection through better program performance.

### Planned goals and projects

- Migrate to SharePoint Online Enterprise and agency wide permit management use
- Agency wide implementation of Esri Collector for mobile for field staff.
- Automation of content from Portal File Upload to VFC
- Automation of workflow creation from defined activities in Portal by regulated community users
- TEMPO360 implementations

### Accomplishments

- Agency wide implementation of ArcGIS Online for easier development and deployment of mapping applications.
- Automation of documents for NetDMR to VFC.

**FA Status:** In progress.

IDEM successfully migrated the Office of Air Quality (OAQ) Permits Branch to SharePoint Online and within a few weeks of completing the migration of the Office of Land Quality to SharePoint Online. The remaining agency program areas are all in progress and expected to be completed by early 2018. IDEM continues to explore use of mobile applications in the field.

Though Esri Collector is configured for agency-wide use, IDEM is still working through defining processes, use cases, and adoption for field collection.

Through the EIS Planning Project, IDEM seeks to develop an enterprise level Citizen Portal that will allow for the regulated community to upload and submit permit applications, reports, as well as complaints and requests.

IDEM has completed the Air Permit Tracking, Hazardous Waste, and various NPDES programs in TEMPO. IDEM is in the early stages of the Solid Waste implementation. All of this work not only moves the agency away from legacy systems but will now allow us to report data to EPA electronically through the CDX data flows for NPDES and RCRAInfo.

- Enhance services to stakeholders and agency partners.

### Planned goals and projects

- Development of secure online web based reporting portal using CROMERR Shared Services.
- File Upload service through the IDEM Portal that allows for fast, secure, digitally signed upload of content.
- Online Permit Status Search.

### Accomplishments

- Deployment of ArcGIS Online for easier centralized access to mapping applications.

- Usability, Full Text Search, and GIS capability enhancements to the Virtual File Cabinet public search.

**FA Status:** In progress.

IDEM will employ the CROMERR Shared Services as part of the planned Citizen Portal as well as a File Upload for moving signed content from the portal to the agency's document repository.

Development for the Online Permit Status Search has been completed and will be moved to production for public use on September 30.

- Operate IDEM and U.S. EPA R5 partnership as a transformative model for joint governance.

#### Planned goals and projects

- TEMPO360 partner state joint enhancement projects.
- Continued partnership with states on technology and solution sharing ventures.

#### Accomplishments

- Indiana, with four other partner states, was awarded a grant for e-Reporting.

**FA Status:** Ongoing.

IDEM continues to be a lead state on partnership work including the awarded 2016 NEIEN grant for enhancing TEMPO for the NPDES eReporting Rule. IDEM is also actively working on recruiting partner states for a multi-state grant for developing a reporting tool for SDWIS Prime.