# Office of Water Quality (OWQ)

| 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 and 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 | | |

a) 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).

**Status:**

b) 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.

**Status:**

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



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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 FFY15, 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 FFY15, it will be submitted in early FFY16 followed later that year by the South Fork blue river TMDL.

**Status:**

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.

**Status:**

c) U.S. EPA R5 will provide timely review, comments, contractor assistance and will provide guidance or other information on identifying causes/sources of impairment.

**Status:**

| **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.

**Status:**

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

**Status:**

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

**Status:**

| **Office of Water Quality (OWQ) Permits** | | **W-4** |
|---|---|---|
| IDEM Contact(s): a) Paul Higginbotham & Jerry Dittmer b) Paul Higginbotham & Stan Rigney | 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 | |



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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.

  **Status:**

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

  **Status:**

- Issue new municipal NPDES permits within statutory time frames.

  **Status:**

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

  **Status:**

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.

  **Status:**

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

  **Status:**

- Issue new industrial NPDES permits within statutory time frames.

  **Status:**

- 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. FY15 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 on appeal |
| IN0000175 | Arcelor Mittal Burns Harbor Modification |
| IN0000205 | AM West modification on appeal |
| IN0063355 | Indiana Long Carbon on appeal |
| IN0063711 | AM CWTP |
| ING040000 | Coal Mining |
| ING080000 | Petroleum Contaminated GW Remediation |
| ING250000 | Non-Contact Cooling Water |
| ING340000 | Petroleum Products |
| ING490000 | Sand and Gravel |



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| | |
|---|---|
| ING670000 | Hydrostatic Test Water |
| IN0000035 | Praxair, Inc. - Lakeside Plant |
| IN0000281 | U.S. Steel Corp - Gary Works |
| IN0021296 | Angola WWTP |
| IN0021466 | Nappanee WWTP, City of |
| IN0000124 | NIPSCO, D.H. Mitchell Generating Station |
| IN0002160 | American Electric Power, Tanners Creek Plant |
| IN0002798 | Duke Energy Indiana Gallagher Generating Station |
| IN0025763 | Crown Point Municipal STP |
| IN0024368 | Portage Utility Service Facility WWTP |
| IN0025135 | Austin WWTP |
| IN0032476 | Anderson WWTP |
| IN0053201 | NIPSCO - R M Schahfer Generating Station |
| IN0000124 | NIPSCO - D H Mitchell Generating Station |

**Status:**

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

**Status:**

| **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, Jack Bajor & Patrick Kuefler | 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 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]).

**Status:**

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. The IDEM CSO program is still in transition. 106 of the 109 communities have Long Term Control Plans in place. IDEM is in the early stages of deploying a strategy to shift focus from LTCP development to implementation. This strategy relies on IDEM's long-term milestone tracking system for tracking compliance. The system's capabilities are now developed and in operation to track all CSO LTCP implementation milestones as well as to maintain other valuable information related to each community. Reports are run from this system on a monthly basis to determine if any community is behind on any milestone task. IDEM is still developing and testing compliance approaches to consistently follow-up on late completion of tasks. IDEM is also still developing and testing approaches to consistently require and enforce development and submission of compliance plans for communities which have fully implemented the controls approved in their original LTCP, but are not hitting the approved level of control. Development of specialized, automated CSO MRO reporting forms, updated CSO facility audit checklists, and other tools has been completed. IDEM will use the information from the system to more efficiently target compliance evaluations and/or inspections of the right facilities. IDEM's CSO program is staffed by three positions. Staff still has to devote time and attention participating in the remaining federal CD negotiations to assure the agreed upon LTCPs are developed and approved, e.g., Evansville. Given that fact and that the CSO staffing is down by a third (one vacant position which will require current staff devotion of time to training a new hire), IDEM is confident in completing 5 inspections (CEIs) annually between October 1 and September 30.

**Status:**

c) The 2014 CMS policy calls for a minimum inspection frequency of 5% of the Sanitary Sewer Systems (SSS) universe each year. IDEM has 577 permitted SSS which includes 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 completes basic evaluations of the performance of these systems. Focused SSO-specific inspections will be scheduled as needed, based on information about overflow occurrences.

**Status:**

d) IDEM will administer storm water programs by performing compliance inspections in the following areas: construction/land disturbance and industrial and municipal



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separate storm sewer systems (MS4s).

- Construction/Land Disturbance: Inspect permitted construction sites and review storm water pollution prevention plans, giving highest importance to those projects for which the agency has received complaints. 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 often the entity assessing compliance of projects that occur within their jurisdiction. The 2014 CMS target is to inspect 10% of the universe each year. Based on IDEM's estimated universe of 8200, the commitment would be 820 inspections annually. With only six staff this translates into 136 annual inspections each, a wholly unrealistic number, especially considering the same staff is responsible for reviewing storm water pollution prevention plans, conducting MS4 audits (construction site run-off and post-construction minimum control measures), and inspecting industrial storm water sites. 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. Not counting those inspections completed by MS4s, (MS4s will base compliance on a local ordinance; which at minimum must be as strict as the state rule) IDEM will complete 200 compliance inspections annually between October 1 and September 30.

**Status:**

- Municipal Separate Storm Sewer System (MS4s): The primary methods of assessing compliance are program audits, facility inspections, and compliance meetings. The program audits are often conducted to assess implementation of the storm water quality management plan (SWQMP) or specific to individual minimum control measures. Audits 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 assess compliance. Indiana has 187 MS4's: 1 Phase I and 185 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/inspection at least once every seven years. To meet the 5 year goal, IDEM needs to complete on average 37 on-site audits, inspections, or off-site desk audits each year. To meet the 7 year goal, IDEM would need to ensure that 27 of those are on-site audits or inspections. IDEM will conduct a total of thirty (37) audits (includes on-site and off-site desk audits), inspections, and compliance meetings annually to determine compliance of the city of Indianapolis and designated Phase II MS4s.

**Status:**

- 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 investigate. In addition, the MS4 may also levy fines based on the local IDDE ordinance. The Office of Land Quality also inspects facilities such as salvage yards and landfills. Many of these facilities also have industrial storm water permits. The Office of Land Quality is familiar with the storm water regulations and will cite a facility for a storm water violation and/or report the incident to the Storm Water Program.

  Inspections will include operational facilities, as well as facilities that have claimed an exemption, and/or facilities that have been the subject of complaints. The 2014 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 performs inspections on active construction sites and performs audits of several of the minimum control measures under the MS4 permitting program. In addition to complaints, facilities are prioritized for inspections based on referrals from: MS4 entities that may have identified an illicit discharge; the IDEM Office of Quality based on a facility that was identified to have significant facility management issues related to storm water run-off; and facilities that have submitted monitoring reports with elevated sampling parameters. Therefore, IDEM commits to 60 inspections per year between October 1 and September 30.

**Status:**

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

**Status:**

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

**Status:**

g) U.S. EPA R5 will be the lead on certain environmentally significant CSO communities, working in partnership with IDEM to reach agreement on approvable LTCPs and implementation schedules. U.S. EPA R5 will provide timely review and comment on technical nonrule policy and other documents submitted by IDEM (U.S. EPA PAM [SS-1]).

**Status:**

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



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

**Status:**

| **Joint State/U.S. EPA R5 Clean Water Act (CWA) Enforcement and Permitting Work Plan** | | **W-6** |
|---|---|---|
| IDEM Contact(s): Paul Higginbotham, Mark Stanifer & Mary Hoover | 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 EnPPA evaluations.

  **Status:**

- 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.

  **Status:**

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

   **Status:**

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.

   **Status:**



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| 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 2015Indiana's continuing state-specific CMS, for purposes of this EnPPA 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: 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 (2) years, in accordance with the national CMS.

  **Status:**

- Minors - municipal and industrial "IN0" facilities: Traditional minor NPDES facilities, for purposes of the EnPPA, 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.

  **Status:**

- Minors - industrial pretreatment "INP" facilities: Conduct CEIs at 100% of the universe annually.

  **Status:**

- Minors - state and federal "IN0" facilities: Conduct CEIs at 100% of the universe every two (2) years.

  **Status:**

- Major and minor mixed ownership or semi-public facilities: 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.

  **Status:**

- Minors - General permits "ING" facilities: Conduct CEIs, CSIs, or reconnaissance inspections at 25% of the universe each year. This excludes facilities with



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general permit coverage such as MS4s, industrial storm water sites, construction storm water sites, and those covered under the vessel general permit.

**Status:**

- Respond to 100% of complaints.

**Status:**

i) 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]).

**Status:**

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

**Status:**

k) 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.

**Status:**

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

**Status:**

m) 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.

**Status:**

n) U.S. EPA R5 will provide program assistance.

**Status:**

| **Safe Drinking Water Act (SDWA)** | | **W-8** |
|---|---|---|
| IDEM Contact(s): a) Pat Carroll & Stacey Jones, b, c, d, e) Pat Carroll & Al Lao f) Pat Carroll & Liz Melvin | U.S. EPA R5 Contact(s): Tom Poy | Due Date: a, b, c, d) 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 electronic sanitary survey form. | | |
| 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).

**Status:**

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.

**Status:**

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.

**Status:**

d) Monitoring and reporting 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.

**Status:**

e) Maximum Contaminant Level (MCL) 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).

**Status:**

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

**Status:**

g) 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 the electronic sanitary survey form.

**Status:**

| **Surface Water Quality Monitoring Strategy** | | **W-9** |
|---|---|---|
| IDEM Contact(s):a), b) & d) Marylou Renshaw, Cyndi Wagner, & Stacey Sobat c) Chuck Bell | U.S. EPA R5 Contact(s): Linda Holst, Mari Nord, Pete Jackson & 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. | | |



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|---|---|
| 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 EnPPA 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 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 (FY 15)).

**Status:**

- Monitor waters employing a targeted design based on the data quality objectives and to support the following: 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.

**Status:**

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

**Status:**

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.

**Status:**

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).

**Status:**

e) 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.



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**Status:**

| **Water Quality Standards** | | **W-10** |
|---|---|---|
| IDEM Contact(s): a) and b) Martha Clark Mettler and Shivi Selvaratnam | U.S. EPA R5 Contact(s): Linda Holst and 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.

   **Status:**

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)).

   **Status:**

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

   **Status:**

| Status Reports | |
|---|---|
| ***JAPC Report:*** | *☐Complete ☐In progress ☐Incomplete* |
| | |
| ***FEC Report:*** | *☐Complete ☐In progress ☐Incomplete* |
| | |

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

   **Status:**



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| Status Reports | |
|---|---|
| ***JAPC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |
| ***FEC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |

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

**Status:**

| Status Reports | |
|---|---|
| ***JAPC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |
| ***FEC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |

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.

**Status:**

| Status Reports | |
|---|---|
| ***JAPC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |
| ***FEC Report:*** | ☐*Complete* ☐*In progress* ☐*Incomplete* |
| | |



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