



INDIANA UNIVERSITY

OFFICE OF THE EXECUTIVE VICE PRESIDENT
FOR UNIVERSITY ACADEMIC AFFAIRS

University Environmental Health and Safety

Stormwater Protection Program

October 15, 2015

1. INTRODUCTION

1.1. Purpose

Indiana University Environmental Health and Safety (IUEHS) has developed the Stormwater Protection Program to identify the requirements of The National Pollutant Discharge Elimination System (NPDES) Stormwater Program in accordance with the [Clean Water Act, Chapter 402\(p\)](#) regulated by the United States Environmental Protection Agency.

1.2. Scope

Stormwater Phase II, issued in 1999, requires regulated small municipal separate storm sewer systems (MS4) in urbanized areas, as well as small MS4s outside the urbanized areas that are designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges.

IU Bloomington (IUB), IU East (IUE), IU Kokomo (IUK), Northwest (IUN), IU South Bend (IUSB), and IU Southeast (IUS) are Phase II municipal separate storm sewer systems (MS4) with separate stormwater permits and a Stormwater Quality Management Plan (SWQMP).

Indiana University-Purdue University Indianapolis (IUPUI) is regulated as a co-permittee under the City of Indianapolis Phase I Stormwater Permit Program.

2. AUTHORITY AND RESPONSIBILITY

2.1. University Environmental Health and Safety (IUEHS) shall be responsible for:

- 2.1.1. Developing, implementing and maintaining a Plan consistent with the "IUPUI Compliance Schedule for Indianapolis" NPDES Municipal Separate Storm Sewer Permit (Schedule) as developed by the City of Indianapolis (for the IUPUI campus) and the Stormwater Quality Management Plan (SWQMP) for IUB, IUK, IUE, IUN, IUSB, and IUS.
- 2.1.2. Collecting stormwater data as defined in the Schedule or SWQMP and reporting the data as requested to the City of Indianapolis (IUPUI) or Indiana Department of Environmental Management (for IUB, IUE, IUK, IUN, IUSB, and IUS).
- 2.1.3. Preparing and distributing pollution prevention materials to the campus community.
- 2.1.4. Providing a mechanism for the reporting of suspected or known illicit discharges.
- 2.1.5. Maintaining a water quality/stormwater pollution prevention presence on the web.

- 2.1.6. Developing training and making it available via E-Training and maintaining documentation of training completed via this route.
- 2.1.7. Maintaining an online stormwater survey for the campus community to participate in annually.
- 2.1.8. Representing IU during audits conducted by the City of Indianapolis (for IUPUI) and Indiana Department of Environmental Management (IUB, IUE, IUK, IUN, IUSB and IUS).

2.2. Facilities Services/Physical Plant, Athletics and Residential Services shall be responsible for:

- 2.2.1. Complying with the elements of the "IUPUI Compliance Schedule for Indianapolis" NPDES Municipal Separate Storm Sewer Permit (Schedule) as developed by the City of Indianapolis (for the IUPUI campus found in Appendix A) and the Stormwater Quality Management Plan (SWQMP) as developed by the University (for IUB, IUE, IUK, IUN, IUSB, and IUS).
- 2.2.2. Providing data collected that supports compliance with the Schedule or SWQMP to IUEHS for the respective campus, as requested.

2.3. Center for Earth and Environmental Science (CEES) at IUPUI only is responsible for:

- 2.3.1. Marking stormwater inlets as part of student service projects.

2.4. University Architects Office (UAO) is responsible for:

- 2.4.1. Certifying all construction projects within designated MS4 areas of the IUPUI campus are completed in compliance with the Indianapolis Design and Construction Manual, Chapters 100-700 and Chapters 561 of the Indianapolis Municipal Code.
- 2.4.2. Ensuring that the University or its contractor submits Notice of Intent (NOI) to the respective stormwater authority for all projects that disturb at least one acre of land.
- 2.4.3. Ensuring that projects that have the potential to disturb one acre or more of land have a Stormwater Pollution Prevention Plan (SWPPP) and that it is being enforced.
- 2.4.4. Ensuring that projects that do not require a SWPPP are compliant with the local campus Plan (Schedule or SWQMP).
- 2.4.5. Ensuring that construction projects are completed in compliance with Chapter 600, Erosion Control requirements of Indianapolis Municipal Code (Chapter 600 adopts Rule 5 by reference) for IUPUI and Rule 5 for all other IU campuses.
- 2.4.6. Ensuring that construction sites are monitored in compliance with Section 602.8 of Chapter 600 of the City of Indianapolis, Department of Public Works (DPW) Indianapolis Stormwater Design and Construction Specifications Manual, for IUPUI and Rule 5 for all other IU campuses, using trained inspectors.
- 2.4.7. Ensuring that weekly site inspection reports and rain event reports are completed and maintained on file.
- 2.4.8. Maintaining contract language in project specifications that is consistent with the IAC Rule 5, "Storm Water Run-off Associated with Construction Activity," 327 IAC 15-5 et seq.
- 2.4.9. Providing data collected that supports compliance with the Schedule or SWQMP to IUEHS for the respective campus, as requested.

2.5. University Real Estate is responsible for:

2.5.1. Maintaining maps of University-owned streets.

2.6. Academic Affairs, or equivalent, is responsible for:

2.6.1. Supporting and encouraging faculty, staff, and students to participate annually in the online stormwater survey.

2.6.2. Supporting and encouraging faculty to administer stormwater surveys in classes where water quality and stormwater are discussed (pre and post lecture to gauge behaviors).

2.6.3. Monitoring academic efforts to educate the students about water quality and stormwater in the classroom and/or laboratory.

2.6.4. Monitoring academic projects on water quality and stormwater in the classroom and/or laboratory.

2.6.5. Monitoring the service and research projects of faculty, specifically on those related to water quality and stormwater.

2.6.6. Monitoring volunteer/service activities of students that participate in water quality and stormwater-related activities (stewardship liaisons, internships).

2.6.7. Monitoring faculty, staff, and student involvement in symposiums and conferences, specifically on those related to water quality and stormwater.

2.6.8 Providing information about those activities described in this section with their respective IUEHS representative, as requested.

2.7. Student Affairs, or equivalent, is responsible for:

2.7.1. Supporting and encouraging students to participate annually in the online stormwater survey.

2.7.2. Monitoring volunteer/service activities of student groups that participate in water quality and stormwater-related events.

2.7.3 Providing information about these volunteer/service activities to IUEHS for the respective campus, as requested.

2.8. Marketing and Communications, or equivalent, is responsible for:

2.8.1. Monitoring media (print and electronic) for stormwater-related topics and provide these findings to IUEHS for the respective campus, as requested.

2.9. Faculty, staff, and students are responsible for:

2.9.1. Using best management practices to prevent stormwater pollution.

2.9.2. Reporting any suspected or known illicit discharges to IUEHS for the respective campus.

2.9.3. Complying with all elements of the Schedule or SWQMP for their respective campus.

3. PROGRAM ELEMENTS

3.1. IUPUI has developed a stormwater program consistent with the Schedule as presented by the City of Indianapolis.

3.2. IUB, IUE, IUK, IUN, IUSB, and IUS have developed a SWQMP consistent with the NPDES Phase II requirements.

4. TRAINING & RECORDKEEPING

4.1. Training

4.1.1. All Facilities Services/Physical Plant, Athletics, and Residential Services employees shall participate in annual training. This training may include the training available through E-Training or task-specific training provided by the department.

4.2. Recordkeeping

4.2.1. Training documentation and data collected as required by the Schedule or SWQMP shall be maintained for a minimum of three years by the respective department and a copy shall be provided to IUEHS quarterly (for IUB, IUE, IUK, IUN, IUSB, and IUS) and annually (for IUPUI) for review, annual report generation, and long-term storage.

5. REFERENCES

[EPA Clean Water Act Chapter 402\(p\)](#)
[Indiana University Campus Sediment and Erosion Control Standards](#)

6. REVISIONS

New Document – October 15, 2015

APPENDIX A:

IUPUI is required to develop a stormwater program consistent with the Schedule as presented by the City of Indianapolis. Key elements of the program include:

- Pollution Prevention, Operations and Maintenance
 - Document Maintenance of Structural Controls

- Drain Marking Program
- Street Sweeping Program
- Winter Weather Salt Use
- Roadside Erosion and Litter Control
- Vehicle and Equipment Wash Area Study/Modifications
- Pesticide and Fertilizer Application
- Staff Education and Training Program
- SOP Inspection and Cleaning of University-Owned Parking Lots
 - SOP Inspection and Cleaning of University-Owned Vehicle Maintenance Garages
- Flood Control Projects
- Post Construction Stormwater Run-off Control In New Development and Redevelopment
- Illicit Discharges and Improper Disposal
 - Inventory Outfalls and MS4 (Municipal Separate Stormwater System)
 - Summarize Used Oil and Toxics Program
- Construction Suite Run-of Control
 - Compliance with Rule 5 / Chapter 600
 - Construction Site Inspection Program
 - Training Program for Construction Site Inspectors
- Public Participation and Education
 - Encourage Public Reporting of Problems
 - Educate Students/Staff about NPS Pollution
- Reporting requirements
 - Provide Information to Indianapolis Department of Public Works for Annual Reports

In addition to those responsibilities identified in Section 2 of the Stormwater Protection Program, the following are agreed upon responsibilities of the IUPUI Campus Facility Services.

Structural Stormwater Controls (SSC)

- Maintain map of stormwater conveyances on campus which includes structural stormwater controls (SSC), stormwater inlets and outfalls. (Utilities)
- Develop and maintain a preventative maintenance (PM) schedule for each SSC. Ensure that preventative maintenance is provided according to established PM schedule. (Building Maintenance)

Street Sweeping

- Develop and maintain campus street sweeping plan. (Grounds)
- Document street sweeping events and document amount of material removed. (Grounds)

Winter Weather Salt Use

- Develop/maintain salt application rates for campus. (Grounds)
- Document amount of salt applied annually. (Grounds)

Roadside Erosion and Litter Control

- Develop/maintain plan for identifying areas of erosion on campus (Grounds, Building Maintenance)
- Document repairs completed annually. (Grounds, Building Maintenance)

- Document amount of litter collected annually from along campus thoroughfares. (Grounds, Building Maintenance)

Pesticide and Fertilizer Use

- Prepare a campus pesticide application plan. Ensure that applicators are properly trained and certified. (Grounds, Building Maintenance)

Inspection and Cleaning of University Parking Lots

- Inspect and clean campus parking lots according to Parking Lot SOP. (Grounds, Building Maintenance)
- Document amount of litter collected annually from campus parking lots. (Grounds, Building Maintenance)

Flood Control Projects

- Evaluate water treatment controls structures within the MS4 areas for efficiency as a SSC. (Utilities)
- Develop feasibility plan for updating SSC's which do not meet current sediment removal efficiency standards as necessary. (Utilities)

