



# Indianapolis Stormwater Permitting Requirements

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**December 14, 2023**



# Agenda

- **Construction**

- IDEM vs. Indianapolis
- Indianapolis permitting process
- SW Design and Construction Specifications Manual
- Indianapolis Inspection program
- Digital Data Submission Standards (DDSS)

- **Post-Construction Best Management Practices**

- Water quality and quantity PC BMPs
- Owner requirements
- City inspection program

# Construction



- **IDEM vs. Indianapolis**
  - Indianapolis Drainage Permit
    - Required for any land disturbance unless meeting exceptions listed in the Code
      - [City-County Code Sec. 561-221](#)
  - IDEM Construction Stormwater General Permit (CSGP)
    - Required when disturbing one or more acres
      - Required in addition to Indianapolis drainage permit

# Construction



- **Indianapolis drainage permitting process**
  - Design and construction must follow the Indianapolis Stormwater Design and Construction Specifications Manual (SW Manual)
    - <https://media.graphassets.com/2WylqDH6Qg2LY2ZBqa5k>
  - Obtained from the Department of Business and Neighborhood Services (DBNS)
    - <https://www.indy.gov/activity/drainage-permits>

# Construction



- **Indianapolis drainage permitting process**
  - Applications must be submitted online using the Accela Citizen Access Portal
    - <https://www.indy.gov/activity/apply-for-permits-online>
  - Applications and submittal documents are triaged by internal DBNS staff prior to assignment to a contracted reviewing consultant for technical review.
  - Review comments are prepared by consultant and must be resolved by permit applicant prior to permit issuance.

# Construction



- **Inspection program**

- Marion County Soil and Water Conservation District (MCSWCD) program

- Annual inspection for projects requiring an IDEM CSGP
- Conducted by a member or delegate of the MCSWCD
- Reports are issued to the contact listed in Accela
- Compliance findings submitted to DBNS for potential enforcement

# Construction



- **Inspection program**

- DBNS Inspections

- A contracted Inspection Consultant is assigned to inspect the scope associated with nonresidential drainage permits upon permit issuance.
- The Inspection Consultant shall inspect erosion and sediment controls for compliance with the City's Stormwater Design & Construction Manual and City-County Code weekly from when the project begins earth disturbance until the drainage permit is closed.
- Failure to meet these requirements would result in notification from the Inspection Consultant to DBNS staff and a violation would be issued.



# Construction

## • Digital Data Submission Standards (DDSS)

- Include the following five (5) files in your submittal
  - Digital Design Submittal Checklist
  - Record Drawings
    - Reproducible Plans (pdf)
    - Digital Plan Data (.dwg or .dxf)
    - Digital GIS Data in Attribute Tables (Excel)
  - Updated O&M Manual(s)
- Refer to the GIS Digital Data Submission Standards (DDSS) Section V and the Stormwater Design and Construction Specifications Manual Chapter 100 <https://www.indy.gov/activity/public-works-specifications-and-manuals>
- Contractor redlines are to be incorporated into final drawings
- A completed DDSS package is submitted by the permit applicant directly to the DBNS Inspection Consultant. Once verified for compliance, the package is submitted to DBNS.
- DBNS submits the package to DPW for final acceptance of the DDSS package.
- An accepted DDSS package is required prior to authorization of the release of certain bonds held by the City.



# Post-construction



- **Why “post-construction” best management practices (PC BMPs)?**
  - Required to address stormwater quality and quantity by the
    - IDEM CSGP
    - Indianapolis Municipal Separate Storm Sewer System (MS4) Permit issued by IDEM
  - Implemented through
    - City-County Code
    - Indianapolis Stormwater Manual

# Post-construction



- **What are “post-construction” best management practices (PC BMPs)?**
  - Water **quality** PC BMPs reduce pollutants
    - Triggers
      - Indianapolis – ½ acre of disturbance
      - IDEM CSGP – 1 or more acres of disturbance and added imperviousness
    - Pollutants of concern
      - Total Suspended Solids (TSS)
      - Floatables
    - Examples – Hydrodynamic separators, stormwater ponds, constructed wetlands, biofilters, bioretention areas

# Water Quality PC BMPs



- Said another way...

**SOIL DISTURBANCE  
< ½ ACRE**

- Water Quality PCBMPs are **NOT REQUIRED**
- IDEM CSGP does **NOT** apply

**½ ACRE ≤  
SOIL DISTURBANCE  
< 1 ACRE**

- Water Quality PCBMPs are **REQUIRED**
- IDEM CSGP does **NOT** apply

**SOIL DISTURBANCE  
≥ 1 ACRE**

- Water Quality PCBMPs are **REQUIRED**
- IDEM CSGP **DOES** apply

# Post-construction



- **What are “post-construction” best management practices (PC BMPs)?**
  - Water **quantity** PC BMPs reduce erosion and flooding
    - Must be evaluated and selected per the Indianapolis Stormwater Manual
    - Examples – stormwater ponds, constructed wetlands, bioretention areas

# Post-construction



- **PC BMP owner requirements**

- Per the Operation and Maintenance Manual

- Inspect at least annually for function and necessary maintenance or repairs
- Perform required maintenance and repairs per the O&M Manual frequency and results of the inspections
- Retain documentation of inspection, maintenance, and repairs for 5 years
- Respond as required by the City PC BMP program
  - Owner Self-certification - Respond to requests for confirmation of execution
  - City Random Inspections – Respond as requested

# Post-construction



- **City PC BMP inspection programs**
  - Drainage permit completion
    - Construction inspector confirms PC BMPs were installed as defined in the plans and were protected during construction
  - 50% are required to be inspected in every 5-year MS4 Permit term
    - Owner Self-certification Program
      - City requests owner to confirm completion of inspection and maintenance
    - Random Inspection Program
      - The City selects and inspects a sampling
    - Complaint Response Inspection Program