2021 MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT
**BACKGROUND**

- **Applied for MS4 permit in April of 2015**
  - Additional requirements for new and redevelopment
  - Additional requirements for construction in right of way
  - Implement an industrial stormwater program

- **Indication by EGLE that permit was forthcoming 2020**
  - Budget rebalanced to support new permit requirements for FY2022
  - New staff last quarter 2021

- **Permit issued in September of 2021**
  - Revised ordinance to EGLE by March of 2022
  - Implementation by September of 2022
MAJOR TASKS REQUIRED

- Ordinance Revisions
- Internal and External Training
- Permit System Revisions
  - Complete code revisions in March of 2022
  - Implementation by September of 2022
ORDINANCE REVISIONS NEEDED AND PROPOSED FOR NEW PERMIT

NEW AND REDEVELOPMENT

- Change in rainfall distribution
- Water quality treatment increase
- Infiltration of 2-yr 24-hr storm
- Maintenance Agreements

INDUSTRIAL PERMITTING

- Based on NAICS (SIC) Codes
- Review to determine potential stormwater exposure
NEW AND REDEVELOPMENT – OFFSET STRATEGIES

- Mitigation
- Payment in lieu
- Credit Trading
INDUSTRIAL PROGRAM

- Based on potential exposure of materials
- Site rankings
- Fees
INTERNAL CHANGES

NEW AND REDEVELOPMENT

- Stormwater Plans for Public Works Sites
- Site Inspections
- Total Maximum Daily Load (TMDL) Sampling Plans
- Infiltration of 2-yr 24-hr storm
- Stormwater requirements for streets projects
TRAINING

EXTERNAL TRAINING

- LGROW
- American Rivers
- City-Specific to begin
  - Chamber of Commerce
  - Hispanic Chamber of Commerce
  - Industrial Facilities
  - Other stakeholders

INTERNAL TRAINING

- Engineering
- Public Works
- Planning
- Economic Development
- Design Team
EXPECTEDATIONS

ALIGNMENT WITH CITY GOALS

- Strategic Plan
- Green Infrastructure Portfolio Standards
- Vital Streets
- Climate Resiliency
- Grand River Revitalization

DIRECT BENEFITS

- Improved Water Quality
- Reduced Erosion
- Reduced Flooding
- Air Quality Improvements
PROJECT TIMELINE
TRAINING AND COMMUNICATIONS

2021

September
Permit Issued

October
Compiled Code Changes

November
Began Training:
• Staff
• Engineers & Developers
• Chambers of Commerce

December
Credit Trading Outreach:
• Engineers & Developers
• Chambers of Commerce

January
Began Industrial Facility Training

February
Draft Code Submitted to EGLE for Acceptance of Revisions

March
Received EGLE Authorization to Proceed with Ordinance Changes

April
Industrial Fee Schedule Adopted through Omnibus

May
12th Introduction to City Commission

June
26th Adoption

July
Program Implementation

August

2022