



**LA PORTE**  
I N D I A N A

City of La Porte  
Stormwater Quality Management Plan  
(SWQMP) 2022-2027

Created for the City of La Porte MS4 Program  
Written by the MS4 Coordinator, Lori Larson

Primary MS4 Operator Name: Thomas P. Dermody

Signature of the MS4 Operator: \_\_\_\_\_

Date: 1/6/23

Signature of the MS4 Coordinator: Lori Larson

Date: 1/6/23

*The SWQMP must be signed by a qualified professional and the MS4 Operator (individual who has the appropriate signatory authority as required by 40 CFR 122.22.)*



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## City of La Porte Stormwater Quality Management Plan (SWQMP) 2022-2027

**2022-2027 Overall Theme: Build a Better Watershed** - Everyone lives in a watershed, and in the City of La Porte, everyone lives in the Kankakee River Watershed (to the Gulf of Mexico via the Mississippi River). Because of this watershed connection, our activities at home, at school, at work, and throughout the community directly impact water quality from our local waterways to the Gulf of Mexico. Outreach and involvement activities will identify this connection and provide recommendations and opportunities to make a positive watershed impact to various target audiences.

Theme Rationale	The community’s surface water resources are impaired by the effects of urban and suburban development, including stormwater and nonpoint source pollution. Both the quantity and quality of runoff from impervious surfaces, such as driveways and rooftops, and pseudo-impervious surfaces, such as lawns and other turf areas, cause degradation of local water quality and aquatic ecosystem health. Reducing the effects of stormwater by implementing practices that either reduce runoff or capture, store, and slowly release it, will improve water quality in our community, the Mississippi River and in finally in the Gulf of Mexico.
Overall Goal	The goal is to build awareness of watershed and stormwater issues, and to trigger behavior change that positively impacts water quality by reaching 10% of the community’s population with a targeted message (to reach 50% over the 5-year permit term).
Community Watersheds	071200010403 – Travis Ditch 071200010402 – Kingsbury Creek
Approved Total Maximum Daily Loads (TMDLs) & Impaired Waterbodies (303(d) list)	<p><i>The following can be found in Indiana’s Finalized 303(d) List of Impaired Waters (Category 5) for 2022. This is a list of Indiana impaired waterbodies or other watershed health concerns. Find impairments by HUC-12 watersheds at:</i></p> <p><a href="https://www.in.gov/idem/nps/watershed-assessment/water-quality-assessments-and-reporting/section-303d-list-of-impaired-waters/">https://www.in.gov/idem/nps/watershed-assessment/water-quality-assessments-and-reporting/section-303d-list-of-impaired-waters/</a></p> <p><i>There are no approved TMDLs for any of the City of La Porte’s watersheds. However, the following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i></p> <ul style="list-style-type: none"> <li>• Travis Ditch – Biological integrity, warm water aquatic life</li> <li>• Stone Lake – PCBs in fish tissue, fish consumption</li> <li>• Pine Lake (North &amp; South) – PCBs in fish tissue, fish consumption</li> <li>• Clear Lake – PCBs in fish tissue, fish consumption</li> </ul>

## 1: General MS4 Permit Coverage

1. The Municipal Separate Storm Sewer System General Permit (INR040000) serves as the required NPDES general permit and is issued for 5 years.
2. The permit is effective December 18, 2021 and expires December 17, 2026.

## 2: Permit Coverage & Designation Criteria

1. The City of La Porte is a municipality with a population density greater than 10,000 souls.
2. An NOI was submitted to IDEM, designating the City of La Porte to be responsible to operate and maintain the MS4 conveyance within the City of La Porte's jurisdictional boundaries.

## 3: Water Quality Characterization

1. The City of La Porte was previously co-permitted (City of La Porte, La Porte County, Long Beach and Trail Creek) but has now filed for independent coverage. IDEM considers the City of La Porte to be renewing an existing MS4 General Permit. **Therefore, an update to the Water Quality Characterization Report (WQCR) is due with the annual report, no later than April 1, 2023. Updates will be due annually in the annual report and when renewing permit.**
2. An MOU has been created and is being negotiated between the City of La Porte and the La Porte County MS4 Director, Nicole Messacar. If this does not happen, Wessler Engineering has agreed to sign an MOU and manage this task.
3. There are no TMDLs identified by the EPA for a water body managed under this permit. If a TMDL is identified the WQCR will be updated accordingly.

## 4: SWQMP General Requirements

City of La Porte's  
MS4 Program –  
Responsible Individuals

### *MS4 Coordinator*

Lori Larson  
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La Porte, IN 46350  
(219) 362-2354  
<mailto:LLarson@cityoflaportein.gov>

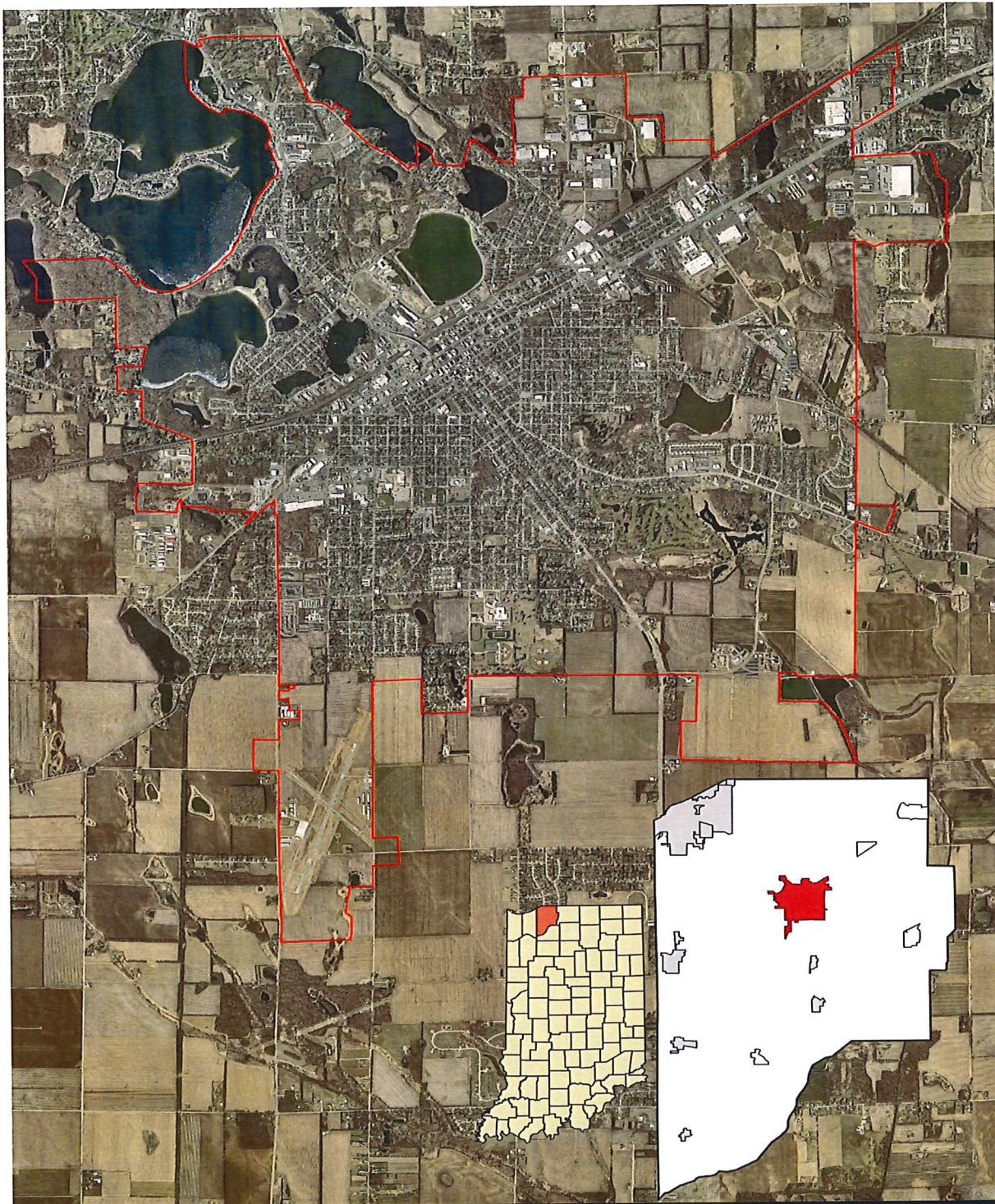
### *MS4 Operator*

Mayor Tom Dermody  
801 Michigan Avenue  
La Porte, IN 46350  
(219) 362-8220  
<mailto:TDermody@cityoflaportein.gov>

1. The City of La Porte was previously co-permitted (City of La Porte, La Porte County, Long Beach and Trail Creek) but has now filed for independent permit coverage. IDEM considers the City of La Porte to be renewing an existing MS4 General Permit. An extension was granted by IDEM for the submission of the SWQMP by the City of La Porte. **Therefore, an update to the SWQMP is due no later than January 10, 2023. Updates will be due annually in the annual report and when renewing the permit.**
2. There are no TMDLs identified by the EPA for a water body managed under this permit. If a TMDL is identified the SWQMP will be updated accordingly.

<p>MS4 Coordinator – Annual Required Training</p>	<p>4.1(d) <i>At a minimum, each MS4 employee responsible for implementing the program must receive 12 hours of annual training with at least 8 of the 12 training hours distributed throughout all MCMs they manage. Include a list of certifications MS4 staff obtain and maintain.</i></p> <p><b>2022 Annual Training for MS4 Coordinator – Lori Larson</b>  <b>74 Hours – Stormwater Educational Hours Satisfied in 2022</b></p> <p><b>NPDES Training Institute – Georgia</b>  <b>16 Hours</b> – MS4 Certified Enforcement/MS4 Certified Inspector Certification #CECI-00001-21-00034; 10/29/2021 – 10/29/2024</p> <p><b>NISWAG &amp; Indiana MS4 Partnership</b>  <b>7 Hours</b> – Qualified Professional Certificate (Contractors, Developers, Engineers and MS4 Coordinators); 2/14/2022</p> <p><b>INDOT</b>  <b>18 Hours</b> – INDOT Stormwater Construction Storm Water Training 1/25/2022 - 3/11/2022</p> <p><b>Christopher Burke Engineering</b>  <b>1 Hour</b> – New MS4 – Introduction to the New MS4 General Permit; 4/28/2022</p> <p><b>Indiana MS4 Partnership</b>  <b>5 Hours</b> – New MS4 Coordinator Training; 5/9/2022  <b>5 Hours</b> – 2022 Indiana Partnership Annual Meeting; 5/10/2022</p> <p><b>Purdue Extension - Lafayette, IN</b>  <b>8 Hours</b> - Rainscaping Education Program; 6/22/2022</p> <p><b>NISWAG</b>  <b>2 Hours</b> – WQCR and IDDE Plan; 9/6/2022</p> <p><b>NISWAG</b>  <b>4 Hours</b> - IDEM Audits, Plan Review and SWQMP Developments; 11/1/2022</p> <p><b>EPA – Water Permits Division</b>  <b>6 Hours</b> – Construction General Permit Site Inspector Training Course Certification Valid 11/16/2022 – 11/17/2027</p> <p><b>NISWAG</b>  <b>2 Hours</b> – Green Infrastructure Implementation; 12/6/2022</p>
<p>Ordinances</p>	<p><b>Update ordinance(s) - 7/4/2024</b></p> <p>The City of La Porte is a renewing entity, therefore all ordinances and/or other regulatory mechanisms will be reviewed and updated to be in accordance with the new/updated permit no later than 730 days (7/4/2024) after the NOI is submitted (7/5/22).</p> <ul style="list-style-type: none"> <li>• <b>2017 Joint Zoning Ordinance</b> – <i>Article 20 Stormwater Management</i></li> <li>• <b>9-2007</b> – <i>Post-Construction Activity and Stormwater Management</i></li> <li>• <b>10-2007</b> – <i>Illicit Discharges and Connections to Storm Drainage Systems</i></li> <li>• <b>11-2007</b> – <i>Construction Activity Erosion and Sediment Control</i></li> </ul>

GIS MAP SHOWING JURISDICTIONAL BOUNDARY FOR CITY OF LA PORTE MS4 PROGRAM



**City Of La Porte**  
**Utilities Division**

**MS4 Jurisdictional Boundary**

Permit goals have been listed and explained in the individual MCMs that follow.

## Summary of Permit Goals

### 4.3: MCM 1 - Public Education & Outreach

#### Community Wide Stormwater Quality Issue 1 (Winter): Sensible Salting

Road salt directly impacts aquatic life when it runs off into local ditches, streams and lakes. By adopting alternative deicing techniques and sensible salting strategies, the amount of deicing salt in our local waterways will be reduced.

Rationale	Salt is an emerging pollutant of concern in the waterways of Northwest Indiana.
Identified Impairments Addressed	<b>Habitat</b> While this message does not directly address any approved TMDLs in our community, road salt has been identified as an emerging pollutant of concern affecting aquatic life and overall water quality in northwest Indiana.
Target Audience	Homeowners (salting driveways and sidewalks) Parking lot owner/operator/managers and their contractors Municipal Central Services Director and Street Department Staff
Behavior Change Sought	Adopt alternatives to salt as a deicing agent, apply salt only where needed, apply salt at minimum effective rates, apply salt only in effective temperature range, do not use stormwater control measures as snow storage areas.
Measurable Goal	Over the course of the permit term: <ul style="list-style-type: none"> <li>• At least 10% of residents will receive a message about sensible salting around the home.</li> <li>• At least 50% of parking lot owners/operators/managers will receive a message about salt management. <ul style="list-style-type: none"> <li>○ Service department staff will be invited to at least one workshop or seminar about community sensible salting techniques</li> </ul> </li> </ul>
Delivery Methods (BMPs)	<p><u>Sensible Salting Educational Materials to Residents</u> - Printed materials will be distributed to at least 10% of households in the community and will incorporate the sensible salting pledge. Information in the City newsletter accompanying utility bills to be used.</p> <ul style="list-style-type: none"> <li>• <u>Point of Decision Reminders for Residents</u> – Mugs (to be used as salt scoops) imprinted with sensible salting messages will be distributed at community events to those who take the sensible salting pledge.</li> <li>• <u>Articles &amp; Fact Sheets</u> - Development and publication of at least 1 article or fact sheet on sensible salting for distribution by community in print and online.</li> </ul> <p><u>Educational Materials to Parking lot owners/operators/managers and their contractors</u> - Printed materials will be distributed to 50% of this target audience in the community, distributed through the contractor registration process.</p> <p>Will include placement of theme-based poster and distribution of printed educational materials at City Hall, placement of articles in community newsletters, and on the City of La Porte website. All materials, as well as additional information and guidance will be housed on the City of La Porte Stormwater Education web page and shared on social media. All outreach materials will direct readers to this page for additional information.</p>

Evaluation Technique	Number of people taking pledge and number of mugs distributed.
Community Responsibilities	Post articles and fact sheets on City website, social media pages and/or print and utility billing & email newsletters.
Public Involvement Component?	<b>Public Involvement Activity</b> – Pledges <b>Municipal Involvement Activity</b> – Written policy change to include alternative deicing options for use on city streets and roads

### Community Wide Stormwater Quality Issue 2: Backyard Conservation

Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, using native plants and shrubs, installing a rain garden, wildflowers and prairie grasses improves soil health, increases rainwater infiltration, and reduces pollution from lawn runoff. Rain barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.

Rationale	Residential properties represent the largest developed land use in most urban and suburban watersheds. Reducing both the amount of runoff and the concentration of pollutants, such as nutrients, sediment, and bacteria in the runoff from residential properties, reduces their negative impact on water quality in local waterways as well as the Kankakee River, Mississippi River and ultimately the Gulf of Mexico.
Identified Impairments Addressed	<b><i>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen/Organic Enrichment, Bacteria, Flow</i></b> Stone Lake, Clear Lake and Pine Lake are all listed on the 2022 Indiana Impaired Waterbodies 303(d) list. Suspended solids (PCBs) have been identified in fish tissue. While this message does not directly address an approved TMDL in our community or directly speak to the historic industrial waste that caused this impairment, lawn fertilizer, pesticides and other common residential and commercial lawn applications have been identified as an emerging pollutant of concern affecting aquatic life in northwest Indiana.
Target Audience	Homeowners, Commercial/Industrial/Institutional Property-owners (including schools and places of worship), Landscapers, Community Leaders, Contractors and City Staff
Behavior Change Sought	Convert turf areas to native plants, improve soil health, install rain gardens and rain barrels, reduce chemicals applied to lawns and landscaping.
Delivery Methods (BMPs)	Will include placement of theme-based poster and distribution of printed educational materials at City Hall, placement of articles in community newsletters, and on the City of La Porte website. All materials, as well as additional information and guidance will be housed on the City of La Porte Stormwater Education web page and shared on social media. All outreach materials will direct readers to this page for additional information.  Targeted mailing of brochure/fact sheet.  Workshops and presentations.  Native plant educational information and signage posted at local stores and nurseries.

Evaluation Technique	Percentage of Target Audiences reached. Evaluation forms and surveys before and after to workshop participants. Number of people participating in the sale.
Community Responsibilities	Post articles and fact sheets on City website, social media pages and/or print and email newsletters.
Public Involvement Component?	<b>Public Involvement Activities</b> – <b>Workshops</b> <ol style="list-style-type: none"> <li>1. <i>Rain Barrel Installation</i></li> <li>2. <i>Watershed-friendly Landscaping</i></li> <li>3. <i>Green Yards &amp; Healthy Homes</i></li> <li>4. <i>Rain Garden Installation</i></li> </ol>

### Community Wide Stormwater Quality Issue 3: Clean Storm Drains, Ditches & Lakes

Dirty streets negatively impact water quality and aquatic ecosystems.

Rationale	The community's surface water resources are impaired by the effects of urban and suburban development, including stormwater and nonpoint source pollution. Pet and wild game waste, leaves, sediment and other solids are carried in runoff to sewer systems and surface waters. Automotive fluids that are leaked from vehicles or are improperly disposed of directly impact aquatic life when they run off into local streams. Detergents that are used to wash cars at home similarly run off to nearby streams. Litter can clog storm drains and negatively impact aquatic life and habitat. These wastes degrade aquatic ecosystems both locally, at the watershed scale, in the Kankakee River and beyond.
Identified Impairments Addressed	<b><i>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen/Organic Enrichment, Bacteria, Flow</i></b>  Travis Ditch is listed on the 2022 Indiana Impaired Waterbodies 303(d) list. The identified impairments are biological integrity and warm water aquatic life. While this message does not directly address an approved TMDL in our community, pet waste, floatables, detergents, automotive fluids and natural debris have been identified as emerging pollutants of concern as they make their way into storm drains and natural waterways such as Travis Ditch. These affect water quality and aquatic life in northwest Indiana.
Target Audience	Residents, City Staff, Pet-owners, Licensed Drivers, Restaurants and other businesses, Auto Part Stores, Golf Courses (nuisance geese), homeowners associations (nuisance geese)
Behavior Change Sought	<ul style="list-style-type: none"> <li>• Properly dispose of trash, including cigar tips and cigarette butts. Don't throw things out the car window or dump in a creek or storm drain.</li> <li>• Repair automotive and boat motor leaks, wash cars responsibly at home or at a car wash.</li> <li>• Pick up and properly dispose of pet waste.</li> <li>• Improve municipal street sweeping procedure and explore disposal alternatives.</li> <li>• Exercise care for storm drains while washing cars and during car wash events.</li> </ul>



Measurable Goal	<p><b>Over the course of the permit term:</b></p> <ul style="list-style-type: none"> <li>• At least 10% of the community’s residents will be reached with a “Storm Drains &amp; Ditches – There’s a Better Way” message, including how to report illegal dumping.</li> <li>• 100% of licensed dog owners in the community will be reached with a message about managing pet waste.</li> <li>• 75% of golf courses and Homeowners Associations for which contact info is available in the community will be reached with a message about practices for discouraging geese.</li> <li>• 100% of restaurant operators will be reached with a message about proper grease disposal.</li> <li>• Street sweeping ordinance to be updated with improvements</li> </ul>
Delivery Methods (BMPs)	<p>Will include placement of theme-based poster and distribution of printed educational materials at City Hall, placement of articles in community newsletters, and on the City of La Porte website. All materials, as well as additional information and guidance will be housed on the City of La Porte Stormwater Education web page and shared on social media. All outreach materials will direct readers to this page for additional information.</p> <p>Additionally:</p> <ul style="list-style-type: none"> <li>• Targeted mailings to – automotive part retailers, dog owners, golf courses, Homeowners Associations and restaurants.</li> <li>• proper leaf disposal</li> <li>• Pledges: Stow It-Don’t Throw It, Pick Up Poop, Don’t Be a Litter Butt</li> <li>• Dog Photo Contest</li> <li>• Post Pick Up Poop signs/materials at City offices and events, local vet clinics, and local stores that sell animal food &amp; pet supplies, and to groomers.</li> <li>• Storm Drain Stencil Project for Students</li> </ul>
Evaluation Technique	<p>Percentage of target audiences reached.  Number of people volunteering for the lake clean-up event.  Number of people taking the pledge and taking part in the dog photo contest  Number of students participating in the storm drain stencil project.</p>
Community Responsibilities	<p>Post articles and fact sheets on City website, social media pages and/or print and email newsletters.</p>
Public Involvement Component?	<p><b>Public Involvement –</b>  Lake Cleanups, Storm Drain Stencil Project, and Pledges</p>

## Community Wide Stormwater Quality Issue 4: Build Watershed Awareness

We all live in a watershed and our actions on the land directly affect the quality of our water.

Rationale	Builds awareness of local watershed and nonpoint source pollution issues. Changes in attitudes, habits, knowledge, and awareness are necessary precursors to behavioral change and best management practice implementation, which in turn lead to load reductions, changes in runoff and discharge quality, and ultimately to changes in water quality (adopted from USEPA <i>Evaluating the Effectiveness of Municipal Stormwater Programs</i> fact sheet, January 2008, publication # EPA 833-F-07-010).
Identified Impairments Addressed	<b>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen &amp; Organic Enrichment, Bacteria, Flow</b>  A recent resiliency study was performed by the Illinois-Indiana Sea Grant and the Purdue University Extension Office for the City of La Porte (Spring 2022). Findings include an overall lack of knowledge and understanding about watersheds and stormwater.
Target Audience	General public, teachers/students
Behavior Change Sought	Reduce the negative impact on watershed health by target audiences through changes in everyday routines and land management techniques.
Measurable Goal	Over the course of the permit term, at least 10% of households will receive a message about watersheds and/or stormwater.  At least one environmental education event will be offered to teachers and students annually.  Opportunities for presentations will be made available to civic, scout and/or student groups in the community. This may include community displays and participation at special events.
Delivery Methods (BMPs)	Targeted mailing of brochure/fact sheet to at least 10% of residential households. <i>Students</i> – School-based and/or civic group presentations will be made available to school districts serving the community.  <i>General Public</i> - Workshops and presentations will be made available to community and civic groups.  Placement of theme-based poster and distribution of printed educational materials at City Hall, placement of articles in utility newsletters and on City of La Porte website. All materials, as well as additional information and guidance, will be housed on the City of La Porte Stormwater web page. All outreach materials will direct readers to this page for additional information
Evaluation Technique	Number of teachers/students attending workshops. Number of presentations and attendees at presentations. Number of households reached with message via targeted mailing.
Public Involvement Component?	<b>Public Involvement -</b> Teacher/Student Activities and Engaging Community with Educational Messaging and educational events

## 4.3: MCM 2 - Public Participation & Involvement

### Activity 1: Lake Cleanup

Rationale	<p>Builds awareness of local watershed and its issues, provides opportunity for anyone to positively impact watershed. Changes in attitudes, habits, knowledge, and awareness are necessary precursors to behavioral change and BMP implementation, which in turn lead to load reductions, changes in runoff and discharge quality, and ultimately to changes in water quality (adopted from USEPA <i>Evaluating the Effectiveness of Municipal Stormwater Programs</i> fact sheet, January 2008, publication # EPA 833-F-07-010).</p> <p><b>Supports Public Education Messages 3 and 4.</b></p>
Approved TMDLs or Impairments Addressed	<p><b>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen &amp; Organic Enrichment, Flow</b></p> <p><i>The following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i></p> <ul style="list-style-type: none"> <li>• Travis Ditch – Biological integrity, warm water aquatic life</li> <li>• Stone Lake – PCBS in fish tissue, fish consumption</li> <li>• Pine Lake (North &amp; South) – PCBS in fish tissue, fish consumption</li> <li>• Clear Lake – PCBS in fish tissue, fish consumption</li> </ul>
Measurable Goal	At least one lakeshore cleanup per year, with at least 10 participants.
Target Audience	The general public, corporate volunteers, student volunteer groups and users of the river/watershed resources – anglers, fishing clubs, canoeists/kayakers, hikers, scouts, birders.
Evaluation Technique	Sign-in sheets to indicate number of participants, count of trash removed (# bags, weights, truckloads, etc.).

### Activity 2: Watershed Friendly Landscaping and Sustainable Land Management

Rationale	<p>Runoff from impervious surfaces is a major source of degraded water quality and aquatic ecosystem health. Reducing impervious/pseudo-impervious surface cover either directly (through actions such as De-Pave projects) or indirectly (by amending soil in turf, landscape, and other areas to improve infiltration) reduces the rate of runoff. A 1% increase in soil organic matter allows the soil to hold an additional 20,000 gallons of water per acre.</p> <p>Invasive species can degrade the quality, function and effectiveness of riparian habitats, stormwater control measures and other landscapes. Controlling and removing invasive species and replacing them with native species reverses these negative impacts. Native plant kits and seed packets will be offered for sale through the local SWCD, to remove the barrier of the local unavailability of native plants.</p> <p>One of the primary water quality problems that accompanies urbanization is the concentration of runoff in downspouts and subsequently storm sewers, in an antiquated effort to move water off the landscape. This short-circuits the natural treatment provided on the landscape, delivering more flow and pollutants than under more natural flow conditions. By disconnecting downspouts and installing rain gardens, the natural treatment function of the landscape can be partially restored.</p> <p><b>Supports Public Education Messages 2 and 5.</b></p>
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Approved TMDLs or Impairments Addressed	<p><b>Nutrients, Flow</b></p> <p><i>The following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i></p> <ul style="list-style-type: none"> <li>• <i>Travis Ditch – Biological integrity, warm water aquatic life</i></li> </ul>
Measurable Goal	At least 1 commercial or institutional property owner or 2 community residents will install and/or maintain native plant gardens, rain gardens or other sustainable landscapes, including reduction of turfed areas, and/or at least 5 residents will utilize soil test kits to assess lawn/soil health.
Target Audience	Property-owners, residents, school, commercial and institutional land uses, and contractors.
Evaluation Technique	<p>Number of contractors or homeowners incorporating watershed-friendly landscaping techniques in commercial, industrial and/or residential sites (including but not limited to downspout disconnection, native plant gardens, rain gardens, prairie plantings, soil amendments, invasive species management, Master Rain Gardener Program).</p> <p>Number of teachers and students participating in sustainable landscape installation and maintenance events (including invasive plant pulls, landscape install, proper tree maintenance events).</p>

### Activity 3: Pledges

Rationale	<p>Builds awareness of local watershed and non-point pollution issues. Changes in attitudes, knowledge and awareness precursors to behavioral change and best management practice/ implementation, which in turn lead to load reductions, changes in runoff and discharge quality, and ultimately to changes in water quality (adopted from USEPA <i>Evaluating the Effectiveness of Municipal Stormwater Programs</i> fact sheet, January 2008, publication # EPA 833-F-07-010).</p> <p><b>Supports Public Education Messages 1, 2, 3, 4 and 5.</b></p>
Approved TMDLs or Impairments Addressed	<p><b>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen &amp; Organic Enrichment, Flow</b></p> <p><i>The following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i></p> <ul style="list-style-type: none"> <li>• <i>Travis Ditch – Biological integrity, warm water aquatic life</i></li> </ul>
Measurable Goal	<p>At least 10 citizens participate in a stormwater-related Pledge to perform activities that benefit water quality.</p> <p>Pledge themes include: Litter, Sensible Salting, Dog Poop, Watershed Champion (sustainable landscaping).</p>
Target Audience	Residential
Evaluation Technique	Number of people taking pledges

#### Activity 4: Green Yards & Healthy Homes workshop

Rationale	Builds awareness of local watershed and nonpoint source pollution issues. Changes in attitudes, knowledge, habits and awareness are necessary precursors to behavioral change and best management practice implementation, which in turn lead to load reductions, changes in runoff and discharge quality, and ultimately to changes in water quality (adopted from USEPA <i>Evaluating the Effectiveness of Municipal Stormwater Programs</i> fact sheet, January 2008, publication # EPA 833-F-07-010). <b>Supports Public Education Messages 2 and 5.</b>
Approved TMDLs or Impairments Addressed	<b>Nutrients, Dissolved Oxygen &amp; Organic Enrichment</b> <i>The following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i> <ul style="list-style-type: none"> <li>Travis Ditch – Biological integrity, warm water aquatic life</li> </ul>
Measurable Goal	Conduct at least one workshop, reaching at least 10 residents.
Target Audience	Property Owners, Residents, Parent Organizations, Garden Clubs
Evaluation Technique	Number of workshops conducted, number of participants, number of participants making cleaners. Workshop evaluations/feedback.

#### Activity 5: Storm Drain Stenciling & Storm Drain Art

Rationale	Builds awareness of local watershed and nonpoint source pollution issues. Changes in attitudes, knowledge and awareness are necessary precursors to behavioral change and best management practice implementation, which in turn lead to load reductions, changes in runoff and discharge quality, and ultimately to changes in water quality (adopted from USEPA <i>Evaluating the Effectiveness of Municipal Stormwater Programs</i> fact sheet, January 2008, publication # EPA 833-F-07-010). <b>Supports Public Education Message 4.</b>
Approved TMDLs or Impairments Addressed	<b>Total Suspended Solids, Nutrients, Habitat, Dissolved Oxygen &amp; Organic Enrichment, Bacteria</b> <i>The following impairments are listed in the 2020 Indiana Integrated Report (303(d)) list:</i> <ul style="list-style-type: none"> <li>Travis Ditch – Biological integrity, warm water aquatic life</li> </ul>
Measurable Goal	Conduct at least one stenciling event in the community.
Target Audience	Students, youth clubs, service clubs
Evaluation Technique	Number of events, number of participants, number of storm drains stenciled.

### 4.3: MCM 1 & 2 - Stormwater Public Information Web Page

**Dedicated Webpage:** Create, revise, and update a stormwater public education page or links to direct the public to a location that contains the required information. Webpage is to be maintained and updated at least annually to ensure information is current.

**Update Annually.**

Hotline to Report Stormwater Quality Issues	The phone number and email of the City of La Porte’s MS4 program is available to report stormwater quality issues. Other local, regional and state contact phone number, emails and websites also made available on the web page for reference.
Stormwater Management Ordinances	<p><b>Update ordinance(s) - 7/4/2024</b>  <b>Stormwater management ordinances in effect are posted on the web page.</b>            These include: MS4 Post-Construction, MS4 Construction, MS4 Illicit Discharge, Stormwater Rates and Article 20 Joint Zoning Stormwater Management Ordinances.</p>
Stormwater Fees, Rates & Rate Ordinance	<p>The local stormwater fees schedule to be described.</p> <ul style="list-style-type: none"> <li>• Property types are defined into classes</li> <li>• Equivalent residential units (ERUs) are defined</li> <li>• A monthly fee schedule (fees per ERU) is defined</li> <li>• Assign fees</li> </ul> <p><b>Update ordinance - 7/4/2024</b>  <b>Ordinance 26-2020 – Provided on the Web Page</b>  <i>An Ordinance Establishing an Initial Rate for City Sewer Services for the Purpose of Stormwater Management</i></p>
MS4 Program Information	<ol style="list-style-type: none"> <li>1. Historic SWQMPs were not recovered from previous MS4 Coordinator. This and all future SWQMPs will be posted on the City’s web page</li> <li>2. The 2012, 2016 and 2018 Annual Report(s) have been posted.</li> <li>3. Upcoming MS4 events are advertised to the public.</li> <li>4. Contact information for the Stormwater Department is available online.</li> </ol>
Educational Resources	<p><i>Further development of the following is actively underway.</i></p> <p>Informational brochures, reference material, inspection forms, stormwater permit application process and links to off-site locations that contain the required information are/will be present on the web page and updated with changes when necessary.</p> <p><b><u>Stormwater Resource Center for:</u></b></p> <ul style="list-style-type: none"> <li>• Builders &amp; Developers</li> <li>• Business &amp; Industry</li> <li>• Educator &amp; Students</li> <li>• Residential</li> </ul>

### 4.3: MCM 1 & 2 - Stormwater Training: By Audience

**Required Annual Training & Public Events – Identify at least three (3) community wide stormwater quality issues in the first year of permit coverage targeting at least one event during the permit cycle to each of the following audiences. Conduct a minimum of two (2) public event annually or work collaboratively to achieve requirement.**

<p>Builders &amp; Developers</p>	<p><b>Builders &amp; Developers - Provide</b> annual training for builders, developers, contractors related to construction run-off and post-construction MCMs.</p> <ol style="list-style-type: none"> <li><b>1. Annual Training</b> – Assist NISWAG in planning &amp; hosting their annual event, held in the spring, advertising to local builders, developers, contractors, engineers, surveyors, and other local professionals related to the building industry.</li> <li><b>2. Host a Booth</b> – Annually, participate in the spring local Builders Association Expo to discuss watershed-friendly landscaping techniques in commercial, industrial and/or residential sites; updates audience to know changes made to local policies &amp; procedures; ordinances, and more.</li> <li><b>3. Sensible Salting</b> – Annually distribute educational materials to the Builders Association email list to motivate salting habits change during construction.</li> </ol>
<p>Business &amp; Industry</p>	<p>Educate <b>newly hired employees</b> within 60-days of hire; <b>seasonal employees</b> within 30-days of hire and <b>established employees</b> annually with videos and in person.</p> <p><b>Municipal</b></p> <ol style="list-style-type: none"> <li><b>1. Sensible Salting</b> - Adopt alternative salting practices. Replace traditional salt brine with “Beet Heat” on identified sensitive areas (e.g., near water, etc.). <b>This change has been made for the 2022 – 2023 winter season.</b></li> <li><b>2. Annual Training</b> – Host an annual workshop about sensible salting techniques for sidewalks, business entry areas and high traffic areas.</li> <li><b>3. Green Infrastructure</b> – Update local written policy to increase green infrastructure requirements in building specifications.</li> <li><b>4. Ordinance Revisions</b> – Update all stormwater ordinances to at the least meet the new State requirements per the new MS4 permit.</li> </ol> <p><b>Business &amp; Industry</b></p> <ol style="list-style-type: none"> <li><b>1. Sensible Salting</b> – Annually distribute educational materials to motivate salting habit change</li> <li><b>2. Natives Sale &amp; Education</b> – Provide educational information and signage to all local stores and nurseries to encourage native plant purchase.</li> </ol>

Educators & Students	<p><b>Educators &amp; Students</b></p> <ol style="list-style-type: none"> <li><b>1. Storm Drain Stencil Project</b> – Offer a stormwater educational event to students, youth clubs and service clubs. After instruction, volunteer students will stencil/mark local storm drains to raise public awareness and education.</li> <li><b>2. Water Quality Outdoor Event</b> – Annually offer middle school teachers &amp; students a hands-on outdoor educational event.</li> </ol>
Residents & Households	<p><b>Residents &amp; Households</b></p> <ol style="list-style-type: none"> <li><b>1. Sensible Salting</b> – Annually distribute educational materials to motivate salting habit change while salting driveways and sidewalks.</li> <li><b>2. Salt Pledge</b> – Distribute educational information and mugs to be used as salt scoops to all that take the City of La Porte “Salt Pledge”.</li> <li><b>3. Backyard Conservation Workshops</b> – Annually offer at least one community workshop for: Rain barrel installation, watershed-friendly landscaping, green yards and healthy homes and rain garden installation.</li> <li><b>4. Native Plant Sale &amp; Education</b> – Educational information and signage provided to all local stores and nurseries to encourage native plant purchase.</li> <li><b>5. Clean Streets, Drains &amp; Lakes</b> - Educational information to encourage habit change: trash disposal, throw nothing out the car window (including cigarettes and cigars), automotive and boat leaks and proper disposal of hazardous waste, proper disposal of pet waste and how to responsibly wash a car. Information also to educate on illegal dumping.</li> <li><b>6. Pledges: Stow-It, Don’t Throw It, Pick Up Poop, Don’t Be A Litter Butt</b> – All pet owners registering annually for dog tags are offered to take the pledge. Doggy poop bags with holder are given for pledging.</li> <li><b>7. Lake Clean Up Event</b> – Plan an annual community event to educate while cleaning the beaches and lakeside public areas of litter; host invasive pulls and replanting natives when feasible.</li> <li><b>8. Build a Better Watershed</b> – Educational material included in monthly utility bill newsletter with household habit changes that affect water quality.</li> </ol>



## 4.4: MCM 3 – Illicit Discharge, Detection & Elimination

**Develop an Illicit Discharge Detection and Elimination Program – to detect, address and eliminate illicit discharge into the MS4 conveyance system. Review program annually.**

Ordinance	<p><b>Update Ordinance</b> – Review and update an ordinance that prohibits illicit discharge into MS4 conveyances and establish enforcement policy and procedures. <i>Two (2) Years to complete 7/4/2024</i></p> <ul style="list-style-type: none"> <li>• <b>10-2007 MS4 Illicit Discharge</b></li> </ul>
IDDE Program	<p><b>Develop SOP to locate problem areas and document any findings and corrections.</b> <i>Update due 7/5/2023.</i></p> <p>-Identify/map industrial facilities that discharge into an MS4 conveyance. Include: facility name, address, phone, and type of industrial activity. Nothing existing. Will work with Pre-Treatment Coordinator and GIS Coordinator to develop the map. <b>Due Annually.</b></p> <p>-<i>The City of La Porte includes an annual mail insert with the La Porte County Solid Waste household hazardous waste disposal schedule in the utility bill. 2022 Insert was included in the 1/28/2022 utility bill mailed to 8,882 customers in the city of La Porte. Insert is scheduled to be mailed with January utility bill 1/27/2023.</i></p> <p><b>Develop SOP, forms, and written procedures to ensure consistent investigation for illicit discharge; to include:</b></p> <ol style="list-style-type: none"> <li>1. Requirement to investigate, identify and locate the source of unauthorized discharge within 2 business days of notification</li> <li>2. Inspection requirements in response to complaints and follow-up</li> <li>3. Create written response procedure, to include what constitutes for illicit discharge and when a discharge is considered eliminated</li> <li>4. Include methods or procedures to eliminate illicit discharge</li> <li>5. Create a system to prioritize illicit discharge investigations</li> <li>6. Create a tracking system documenting the date the discharge is observed, investigation results, follow-up, and a date the investigation was closed.</li> </ol>
Outfalls	<p><i>City of La Porte has 63 outfalls mapped in current inventory. The last dry weather field screening with photos was done 2012.</i></p> <p><b>Update Mapped outfalls</b> – must display location of all outfalls and conveyances</p> <ol style="list-style-type: none"> <li>1. ID outfalls with numeric identifier</li> <li>2. Long/Lat of each in decimal degrees to 5 decimal place accuracy</li> <li>3. Photograph each discharge point</li> <li>4. ID all waters that receive discharge from outfalls and indicate if any are on 303d list</li> <li>5. Develop a map that IDs high priority areas</li> </ol> <p><b>Outfall Investigation</b> - Conduct dry weather field screenings of all mapped outfalls.</p> <ol style="list-style-type: none"> <li>1. detect and eliminate discharges</li> <li>2. continue screening until discovered non-stormwater discharge is eliminated</li> </ol> <p>- Create a schedule for outfall inspections to include: 20% annually, to equal 100% in 5-year permit cycle (include date(s) of previous inspections). <b>Due 12/17/2026.</b></p>

Employee Training	<p><i>One (1) Year to complete 7/4/2023</i></p> <p><b>Describe IDDE Training</b></p> <ul style="list-style-type: none"> <li>• New employee and annual renewal training for municipal employees that are responsibilities include investigation of illicit discharge or illicit connection to a stormwater conveyance system</li> </ul> <p>Documentation for all employees to include: name, title, and responsibility</p> <p>- <i>The City of La Porte has incorporated training videos that are annually viewed by full time employees in departments that work outside throughout the city and either investigate or report illicit discharge to the stormwater conveyance system.</i></p>
Public Reporting	<p><b><i>One (1) Year to complete, 7/4/2023</i></b></p> <p><b>Dedicated Contact</b> - The City of La Porte has dedicated the MS4 Coordinator as the central contact point person for public to report illicit discharges and spills. The hotline number provided on the website rings to the City's Wastewater Treatment Plant, which is staffed 24/7. If a call is received after normal business hours (7 AM – 4 PM), the operator in charge is instructed to contact the MS4 Coordinator for immediate response, if feasible, or within at the most within 1 business day.</p> <p><b>Website</b> – The City of La Porte's Stormwater web page provides contact information to report a water quality concern believed to be an immediate threat to human health or the environment.</p> <p>The following hotline phone numbers are provided:</p> <ul style="list-style-type: none"> <li>• City of La Porte's MS4 Coordinator (email also provided)</li> <li>• La Porte County Health Department</li> <li>• La Porte County Solid Waste District</li> <li>• IDEM emergency spill line</li> </ul>
LTCP & CSOOP	<p><b><i>Review program annually.</i></b></p> <p><b>Review long-term control plan (LTCP) and combined sewer operational plan (CSOOP)</b> - The City of La Porte has dedicated staff in the Wastewater Department that annually update the CSOOP and ensure the language in both documents is consistent.</p> <p><b>LTCP</b> – The City of La Porte developed an LTCP plan that was approved by IDEM. The LTCP is implemented in accordance with the terms and conditions of our NPDES permit. IDEM is notified upon completion of each action or milestone contained in the approved work plan for LTCPs under development and implementation schedules for approved LTCPs. IDEM /monitors our compliance progress annually.</p> <p><b>CSOOP</b> - Annual updates include but are not limited to the addition of new lift stations, new sanitary sewer installation, sewer separation projects, and repairs. An updated sewer blockage map and sewer cleaning map is revised annually and created in this process. <i>The 2021 CSOOP is 310 pages and was updated 12/27/2021.</i></p>

## 4.5: MCM 4 – Construction Site Stormwater Run-off Control

**Develop a Program with a Strategy to Manage, Monitor Compliance and Enforce Violations**  
 – to regulate construction site stormwater run-off. *Review program annually.*

Ordinance	<p><b>Update Ordinance</b> – Review and update the construction ordinance to meet the requirement in Section 4.1(i). <b>Two (2) Years to complete 7/4/2024</b></p> <ul style="list-style-type: none"> <li>• <b>11-2007 MS4 Construction Activity Erosion and Sediment Control</b></li> </ul> <ol style="list-style-type: none"> <li>1. Regulate projects with land disturbance greater than one (1) acre, or disturbances less than an acre but that are part of a larger common development that will ultimately disturb one (1) or more acres of land.</li> <li>2. Contain the requirements of the Construction Stormwater General Permit (CSGP) with exception of state permitting process references and submittal deadlines for construction plans and permit applications.</li> <li>3. Require that any project within the MS4 area that meet the applicability of the CSGP submit an NOI to obtain permit coverage with IDEM.</li> </ol>
Permitting Procedures	<p>Establish written procedures, processes, and timelines to review and determine ordinance compliance before construction activities commence.</p> <p>Utilize the IDEM form with a checklist that includes the following:</p> <ol style="list-style-type: none"> <li>1. A method to notify responsible individuals on plan status</li> <li>2. Identification of the MS4 responsible, the individual that reviewed the plan to include – <i>plan reviewer name, affiliation, address, telephone number and email address.</i></li> </ol>
Written Procedures & Processes	<ul style="list-style-type: none"> <li>• Establish written procedures and internal processes to make inspections of construction sites consistent and achieve the objectives of the ordinance.</li> <li>• The City of La Porte uses the standard form provided by IDEM to document MS4 construction inspections and notify project of compliance status.</li> <li>• Identify priority sites.</li> <li>• Establish policy to enforce legal authority with steps to take when violations are addressed, to include compliance and escalating enforcement.</li> <li>• Develop written standards and specifications to implement stormwater BMPs on construction sites.</li> </ul>

<p>Written Procedures &amp; Processes (continued)</p>	<ul style="list-style-type: none"> <li>• Develop written standard operating procedures (SOP) for receipt, resolution and tracking of public inquiries, complaints and other information submitted regarding local construction projects.</li> <li>• Develop a plan and schedule to address program deficiencies, improvements, and modifications to the program</li> <li>• Develop procedure to ensure compliance with CSGP to coordinate across all departments. Must include self-monitoring of sites.</li> </ul>
<p>Trained Individual Training</p>	<p>Verify and document training attended by the contractual staff performing tasks for the MS4. This includes trained individual performing onsite weekly and rainfall construction site inspections. (MS4 staff annual training requirements mentioned in 4.1 of this SWQMP)</p> <p>Documentation to include:</p> <ul style="list-style-type: none"> <li>• Responsibility of staff member</li> <li>• Dates and types of training attended</li> <li>• List of certifications MS4 staff obtain and maintain</li> </ul>
<p>Evaluation</p>	<p>Annually evaluate:</p> <ul style="list-style-type: none"> <li>• Ordinance</li> <li>• Plan review process</li> <li>• Site inspections process</li> <li>• Standards/specification manual</li> <li>• Management of MS4 owned projects</li> <li>• Inter-department coordination</li> </ul>
<p>Inspections</p>	<p>Inspect all active construction sites. Follow-up on compliance issues with reports to the responsible individual and follow-up inspection. 100% of all new construction sites must be inspected based on the following minimum frequency:</p> <ol style="list-style-type: none"> <li>1. Initial phase of Construction that includes the installation of infrastructure (grading, roads, utilities)</li> <li>2. Biannually inspect priority sites or sites that are more than five (5) acres disturbance or more</li> <li>3. Annually inspect at least 50% of all active sites less than five (5) acres but at least 1 acre</li> </ol> <p>Investigate 100% of all complaints and follow-up sites with ordinance violations. Follow-up inspections are required until violations are resolved.</p> <p>Maintain an inventory of construction sites, tracking project information to include: <i>Project name, latitude and longitude, physical address, receiving waters, project start date and indicate project status to include enforcement actions undertaken</i></p>
<p>Management of MS4 Owned Site</p>	<ol style="list-style-type: none"> <li>1. Submit SWPPP to SWCD or IDEM for review and approval</li> <li>2. Comply with local ordinance</li> <li>3. Maintain an inventory of construction sites, tracking project information to include: <i>Project name, latitude and longitude, physical address, receiving waters &amp; project start date</i></li> <li>4. Submit within 48-hours an inventory report to IDEM when requested</li> </ol>

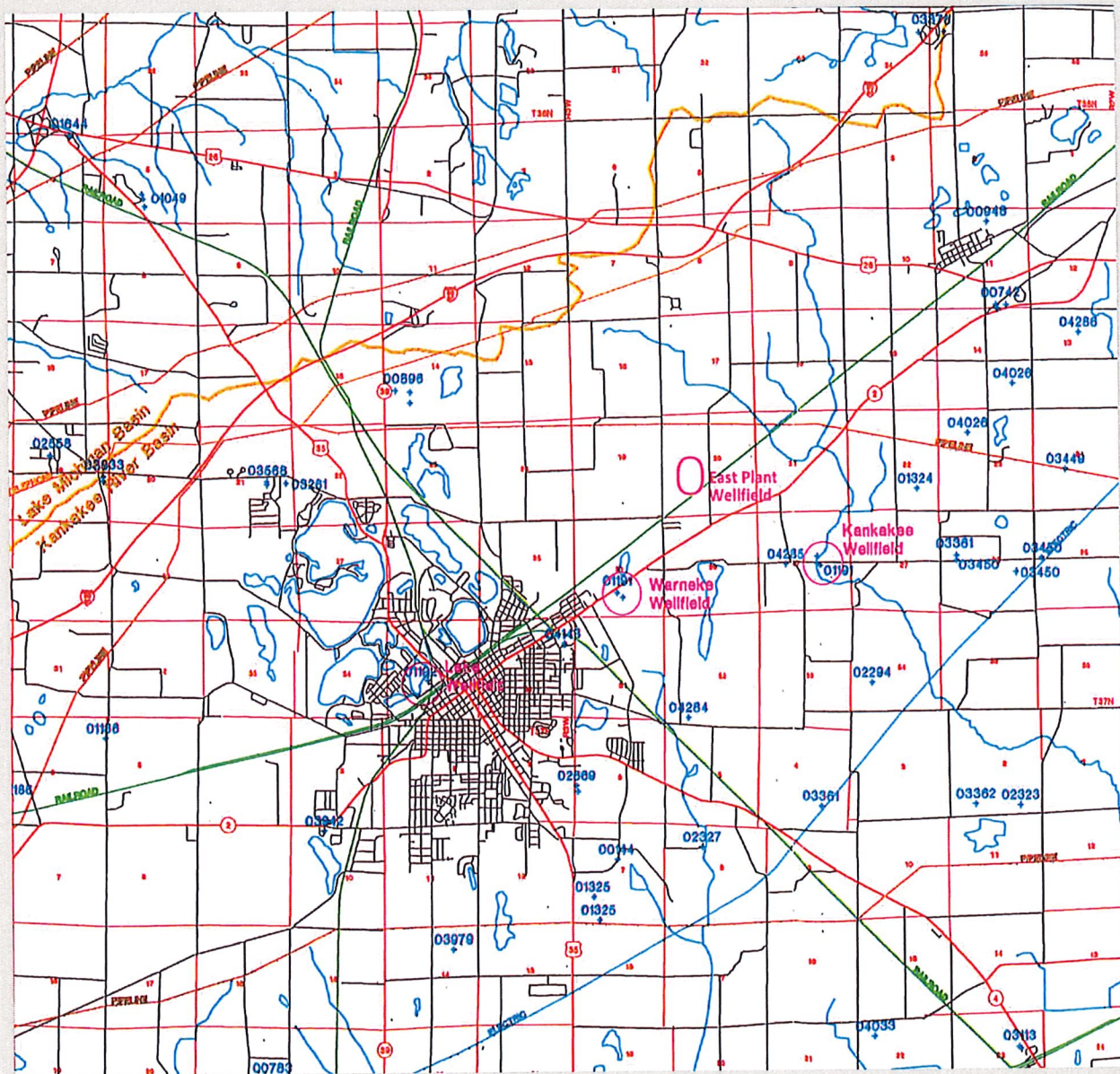
## 4.6: MCM 5 – Post-Construction Stormwater Run-off

**Develop a program to address discharges of post-construction runoff – with a strategy to manage the program, monitor compliance and enforce violations. Review program annually.**

<p>Ordinance</p>	<p><b>Update Ordinance</b> – Review and update the post-construction ordinance to meet the requirement in Section 4.1(i). <i>Two (2) Years to complete 7/4/2024</i></p> <ul style="list-style-type: none"> <li>• <b>9-2007 MS4 Post Construction Activity and Stormwater Management</b></li> </ul> <ol style="list-style-type: none"> <li>1. Incorporate performance standards into the ordinance.             <ol style="list-style-type: none"> <li>i) Establish design criteria to reduce pollutants and manage stormwater quality to meet or exceed requirements identified in the CSGP.</li> <li>ii) Develop a list of stormwater management measures and standards appropriate for improving water quality. (Structural, non-structural and/or green infrastructure).</li> <li>iii) Address quality and quantity of post-construction stormwater run-off.                 <ol style="list-style-type: none"> <li>a) Discharge must at a minimum not exceed pre-development discharge based on a 2-, 10- and 100-year peak storm events.</li> </ol> </li> </ol> </li> <li>2. Address post-construction for all construction activities disturbing one acre or more of land and new retail gas stations</li> </ol>
<p>Written Procedures &amp; Processes</p>	<ol style="list-style-type: none"> <li>1. Develop a written operational and maintenance plan for structural stormwater measures owned and operated by the MS4 and those with private developments (Comply with local ordinance)</li> <li>2. Develop a form, checklist, or document to track post-construction inspection and compliance/enforcement of the maintenance and operation plan.</li> <li>3. Submit within 48-hours an inventory report to IDEM when requested.</li> <li>4. Track status of the program and documentation of inspections of OMM</li> <li>5. New retail gas stations are required to install measures to reduce lead, copper, zinc and PAHs in stormwater run-off</li> <li>6. Utilize practices that promote volume reduction, infiltration, filtering, harvesting, evapotranspiration, vegetative practices and alternative treatment systems.             <ol style="list-style-type: none"> <li>a) Infiltration practices will not be allowed in wellhead protection areas as the primary water quality treatment measure, unless it is designed to treat pollutants of concern that originate in the drainage area.</li> </ol> </li> </ol>

<p>Post-Construction Inspections</p>	<ol style="list-style-type: none"> <li>1. All privately owned measures are to be inspected at a frequency that insures 100% of all measures are inspected within the five (5) year permit cycle (or cap at 250). Measures not inspected during permit cycle must be documented, prioritized, and inspected in the next permit cycle. Develop a form, checklist, or document to track post-construction inspection and compliance/enforcement of the maintenance and operation plan.</li> <li>2. Inspect 100% of all complaints, taking corrective action or as necessary enforcement where compliance measures are identified.</li> <li>3. Inspect 100% of all post-construction measures owned and operated by the MS4</li> </ol>
<p>Green Infrastructure &amp; Low Impact Development (LID) Maintenance</p>	<ol style="list-style-type: none"> <li>1. Develop a written operational plan to require a green infrastructure maintenance plan for all stormwater structural measures, both privately and MS4 owned, to ensure long-term operation and maintenance. To include: <ol style="list-style-type: none"> <li>a) Owner/operator signed statement accepting responsibility that is legally transferred upon sale of the property.</li> <li>b) Written conditions in the sales/lease agreement requiring recipient to assume responsibility.</li> <li>c) Create written conditions for Homeowner's Association (HOA) use</li> </ol> </li> <li>2. Administer an inspection program to ensure the success of the maintenance and operation of installed stormwater structural measures, utilizing a written form or checklist.</li> <li>3. Inspect 100% of all post-construction MS4 owned and operated within permit cycle. <b>Due 12/17/2026.</b></li> </ol>
<p>Wellhead Protection</p>	<p><i>Infiltration practices are not allowed in wellhead protection areas as the primary water quality treatment measure, unless the measure is designed to treat the pollutant(s) of concern that originate in the drainage area of the measure.</i></p> <p>In October 2000, a local planning team developed a Wellhead Protection Plan, managed by the City of La Porte's Water Department. There are currently 10 production wells in 4 wellfields in the La Porte Water Works System.</p> <ol style="list-style-type: none"> <li>1. Kankakee Wellfield = 3 Wells</li> <li>2. Warnke Wellfield = 2 Wells</li> <li>3. Lake Wellfield = 2 Wells</li> <li>4. East Plant Wellfield = 3 Wells</li> </ol> <p>The City of La Porte's Water Department is updating the Wellhead Protection Program to include the 3 wells added to their system after the program was developed in 2000. Updates to the SWQMP will be made when the work is complete.</p>

# CITY OF LA PORTE – WELLHEAD LOCATIONS



## 4.7: MCM 6 – Municipal Facilities Good Housekeeping Pollution Prevention

**Develop a pollution prevention and good housekeeping program – with a commitment to prevent or reduce pollutant run-off from municipally owned and/or operated facilities. Review program annually.**

Municipally Owned  
Facilities

### 1) Municipally owned and operated facilities

- a) List of stormwater/wastewater permits and permit number

**City of La Porte – Wastewater Department**

*State of Indiana Authorization to Discharge under the NPDES  
#IN0025577 effective 3/1/20 – 2/28/25*

**City of La Porte – Stormwater Department**

*State of Indiana Authorization to Regulate Discharges under the  
NPDES #IN040000 effective 12/18/2021 – 12/17/2026*

- b) The following facilities were identified with the greatest potential to generate stormwater pollution, and name of the manager for each facility with contact information.

i) **Water Department – Plant #1**; 1119 Lake Street, La Porte, IN 46350 Tim Werner – Water Department Superintendent at (219) 326-9540 <mailto:TWerner@cityoflaportein.gov>

ii) **Water Department – Plant #2**; 2011 E Lincolnway, La Porte, IN 46350; Tim Werner – Water Department Superintendent at (219) 326-9540 <mailto:TWerner@cityoflaportein.gov>

iii) **Street Department**; 1206 Second Street, La Porte, IN 46350 Jeff Batchelor – Director of Code Enforcement & Streets at (219) 362-2477 <mailto:JBatchelor@cityoflaportein.gov>

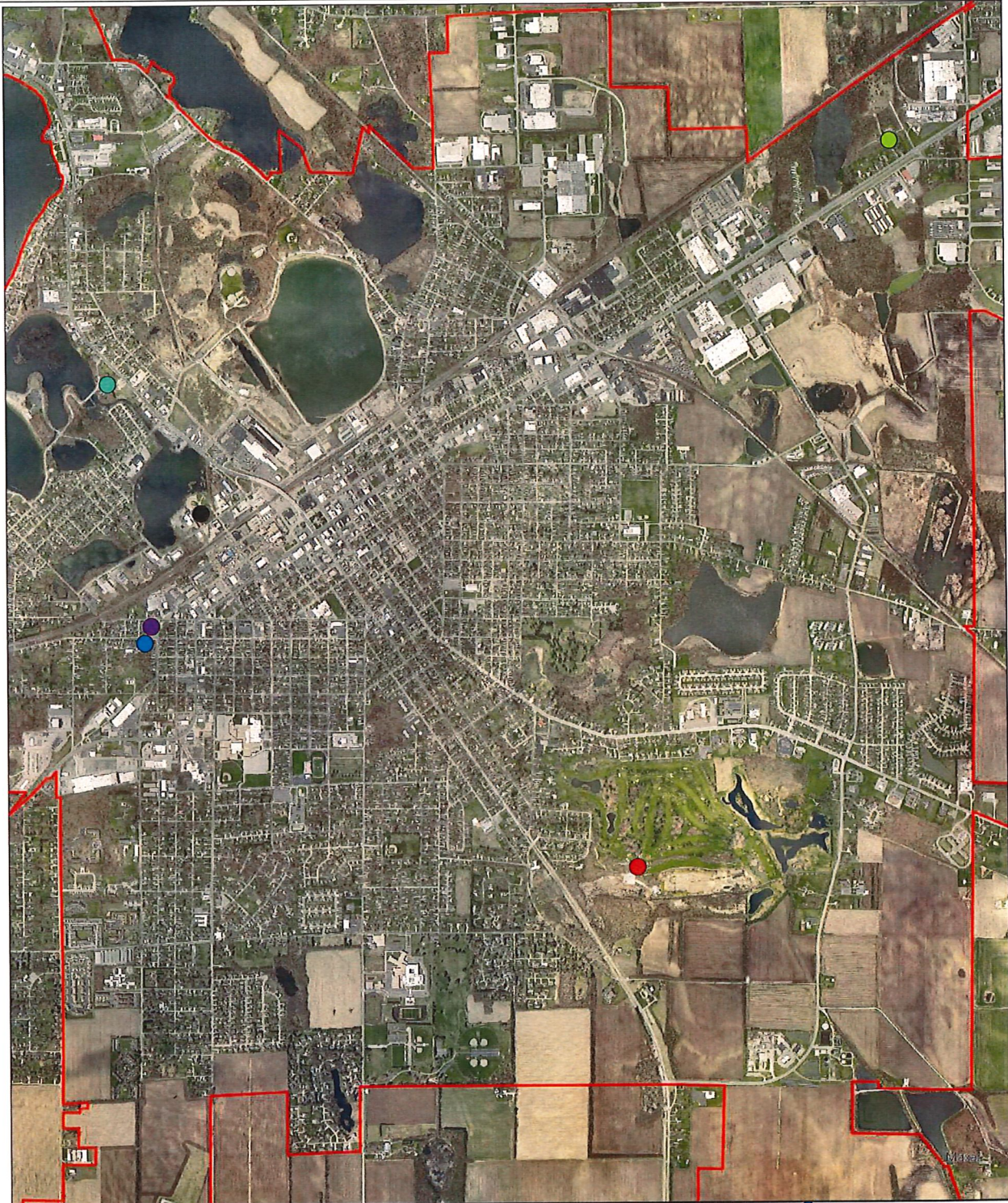
iv) **Park Department**; 250 Pine Lake Avenue, La Porte, IN 46350 Mark Schreiber – Superintendent at (219) 326-9600 <mailto:MSchreiber@cityoflaportein.gov>

v) **Beechwood Golf Course**; 2222 Woodlawn Drive, La Porte, IN 46350 Mark Schreiber – Superintendent at (219) 326-9600 <mailto:MSchreiber@cityoflaportein.gov>

vi) **TransPorte**; 102 L Street, La Porte, IN 46350 Beth West, TransPorte Director at (219) 326-8274, <mailto:BWest@cityoflaportein.gov>



**CITY OF LA PORTE MUNICIPAL FACILITIES  
WITH GREATEST POTENTIAL FOR STORMWATER POLLUTION**



**Municipal Facilities Identified as Greatest Potential for Stormwater Pollution**

- |  |   |
|--|---|
| <b>MunicipallyOwnedFacilities</b>                        | <span style="color: blue;">●</span> Street Department         |
| <b>BuildingName</b>                                      | <span style="color: purple;">●</span> Transporte Depot        |
| <span style="color: red;">●</span> Beechwood Golf Course | <span style="color: black;">●</span> Water Treatment Plant #1 |
| <span style="color: cyan;">●</span> Park Department      | <span style="color: green;">●</span> Water Treatment Plant #2 |

Municipally Owned  
Facilities (continued)

**2) Annually assess the facilities** – *The current facility SWPPPs were created 2009 by the previous MS4 Coordinator. Some facilities have not had an inspection since 2015. These SWPPPs are being recreated and will be complete with onsite inspection and education by the required Due Date 7/5/2023.*

- a) Identify potential pollutants stored and used at each facility
- b) Assess existing operations of each facility to include: materials storage, housekeeping practices, erosion features, vehicle washing and maintenance, proximity of activities to drains and outfalls
- c) Identify and map existing structural and non-structural stormwater management measures that address pollutants and/or sources of pollutants
- d) Create a SWPPP for each facility with the potential to pollute (previously named), include most recent inspection report. Maintain copy of SWPPP at each site
- e) Develop a written procedure to annually review SWPPP and make updates, with a written procedure for corrective action to take upon discovery of an issue
- f) Written documentation of maintenance performed, maintenance schedules and long-term inspection procedures to manage stormwater management implemented at the facility
- g) Prohibit improper discharge of wash water with soap, solvent, or detergents

**3) Facility Inspections** – *Identify and educate a champion at each facility to properly inspect and maintain their facility.*

- a) Document quarterly site inspections in a report with a copy in the onsite SWPPP; MS4 must inspect at least once annually
- b) Report must include any identified pollutants and corrective action taken or planned to address deficiency

**4) Stormwater Infrastructure** – *The City of La Porte's municipally owned stormwater infrastructure is maintained by the Wastewater Department's collection crew. Sanitary sewers and storm sewers are cleaned annually, scheduled using a work order system.*

- a) Create written procedures for operation and maintenance of municipally owned stormwater infrastructure (combined sanitary/storm sewers, LID and green infrastructure).

SOP  
Catch Basin  
Cleaning

Standard Operating Procedure for  
**Catch Basin Cleaning**

*Purpose of SOP:*

To protect storm water by maintaining the ability of catch basins to trap sediments, organic matter, and litter. This reduces clogging in the storm drain system as well as the transport of sediments and pollutants into receiving water bodies.

Always:

- Inspect catch basins for structural integrity and evidence of illicit discharges during cleaning.
- Conduct a chemical analysis if sediment is suspected of contamination to determine if the recovered materials meet the EPA criteria for hazardous waste.
- Store catch basin debris the WWTP's sludge storage lagoon until hauled to the land fill
- Dispose of catch basin residues properly (Construction Demolition Debris [COD] Landfill or secure municipal solid waste or special waste landfill). Beneficial use must be licensed by the MDEP unless Total Petroleum Hydrocarbon Analysis is less than 1,000 mg/kg.

When Possible:

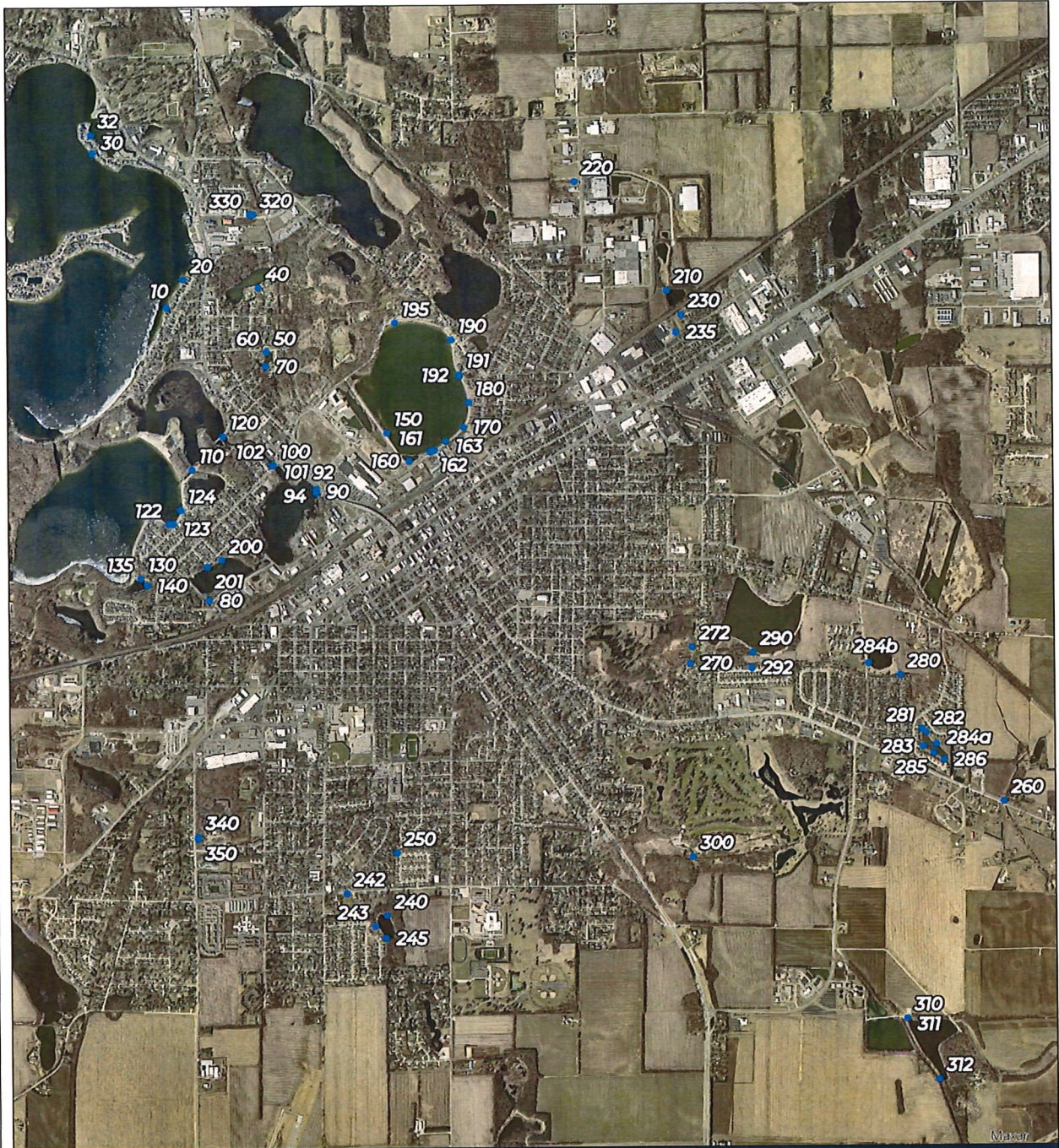
- Inspect each catch basin at least annually, during catch basin cleaning.
- Create a checklist for catch basins to help classify which catch basins require maintenance and how often.
- Perform street sweeping on an appropriate schedule to reduce the amount of sediment, debris and organic matter entering the catch basins, which in turn reduces the frequency with which they will need to be cleaned.
- Discharge fluids collected during catch basin cleaning to a sanitary WWTP sludge storage lagoon

Outfalls

It is the City of La Porte's current practice to do dry surface visual observation inspections of all catch basins and city owned outfalls during the winter months. The last inspections were performed 2015.

Create a program to maintain MS4 conveyances and structures including outfalls, open channels, ditches, and other drainage structures

GIS outfall map following:



**City of La Porte**  
**Utilities Division**

**Storm Water Outfall**  
**Locations**

Employee Training Program	<p>Educate <b>newly hired employees</b> within 60-days of hire; <b>seasonal employees</b> within 30-days of hire and <b>established employees</b> annually with videos supplied to department managers and HR for use; and training in person by MS4 Coordinator</p> <p>The City of La Porte MS4 Program will develop an annual training program to deliver specialized education to fit the responsibility and department needs. <b>Due Date 7/5/2023.</b></p>
De-icing Management	<p><b>Snow Removal and De-icing Management</b> – <i>The City of La Porte Street Department manages salt storage and plowing/deicing City streets under the supervision of its Director, Jeff Batchelor. Our salt is stored in a building at 1206 Second Street, La Porte. There was no discharge to receiving waters found upon inspection. A written SOP is due 7/5/2023.</i></p> <ol style="list-style-type: none"> <li>1) Manage storage of salt and other de-icing materials used to minimize discharge of run-off to receiving waters <ol style="list-style-type: none"> <li>a) Minimize run-on and run-off at salt storage locations</li> <li>b) Address tracking and spillage</li> <li>c) Use permanent structures and/or coverings to house salt</li> </ol> </li> <li>2) Designate snow disposal areas that yield minimal potential for run-off to receiving waters</li> <li>3) Use safer alternatives for de-icing in identified sensitive areas (near our lakes, green infrastructure, wellhead protection areas and wetlands) <ol style="list-style-type: none"> <li>a) Starting 2022-2023 winter season, a safer de-icing agent called Beet Heet is being used in at least all sensitive areas of the city.</li> </ol> </li> <li>4) Report the estimated amount of de-icing salt and other agents used, in the annual report, due annually in the first quarter. <ol style="list-style-type: none"> <li>a) In 2022, one location stored de-icing salt: 1206 Second Street, La Porte, IN 46350.</li> <li>b) In December 2022, ~1,200 tons of salt were stored on hand.</li> </ol> </li> </ol>

Street Sweeping,  
Yard Waste &  
Special Event  
Clean-Up

- 1) **Minimize Trash in the City Sewer System** - *Street Sweeping scheduled yard waste collection and post event clean-up. The City of La Porte manages this work through the Street Department, Director Jeff Batchelor. An SOP is being developed with this departments help to determine a schedule for sweeping arterial, industrial and ancillary areas to maximize efficiency and ensure the City is being maintained properly. October 2022, the MS4 Coordinator submitted a NIRPC grant application to purchase a high-performance electric street sweeper (or the like). The award will be announced 2/2023. Street sweeping and disposal is paid from the Stormwater budget.*

**Street Sweeping**

- a. Report the estimated amount of street sweepings collected and disposal methods used, in the annual report, due annually in the first quarter.
- b. In 2022, sweepings collected April – November 2022 were added to the previous stockpile.
- c. July 2022, after sampling the street sweepings through ALS Laboratory, the City of La Porte received bids to move and dispose of the street sweeping stockpile. Winning the bids, JAGAD Trucking moved 4,715.29 tons of stockpiled sweepings to County Line Landfill in Argos, IN at a cost of \$209,628.86. The street sweepings were applied to the landfill as alternative cover.
- d. Create procedures for proper disposal of waste collected

**Yard Waste**

- a. **Leaf Pick-Up** - The City of La Porte Street Department annually picks-up leaves twice in the fall-early winter, left on the curbside of the road from City residents. Front loaders and dump trucks are used to load and haul waste to the local refuse dumpsite at 724 Zigler Road, La Porte, IN. The site is managed by the LaPorte County Solid Waste District.
- b. **Sticks, Twigs & Small Branches** – The City of La Porte Street Department will pick-up sticks, twigs and small branches cut into pieces less than 4 feet and bundled, left on the curbside of the road, after a homeowner calls the city for a pick-up.

**Special Event Clean-Up**

All special events held in the City of La Porte, either hosted by the City or another entity, must have trash pick-up coordinated with the City’s Street Department. This process takes place when someone applies for an event license with the utility billing office. All City sponsored events must be coordinated with the Street Department Director, Jeff Batchelor.

CITY OF LA PORTE –  
**STREET SWEEPING & PERVIOUS SURFACE MAINTENANCE GUIDE**

**Roadway Ownership & Function**

In Indiana, there are four generally accepted functional roadway classifications. The following table depicts the classifications along with general traffic volumes and speeds associated with each. The State (Indiana Department of Transportation, or INDOT) and local governments (counties, cities and towns) have ownership and maintenance responsibility for the respective roadways as shown below.

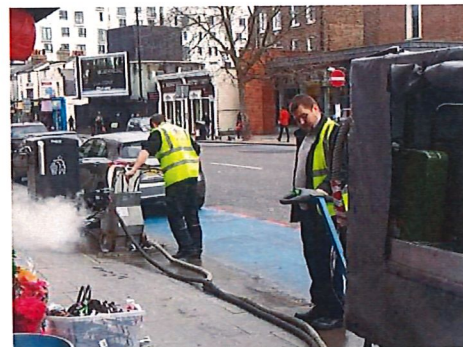
**Roadway Functional Classes and Responsible Governments**

Functional Roadway Classes	Principal Arterial 45 – 70 mph	Minor Arterial 30 – 45 mph	Collector Streets 30 – 45 mph	Local Streets ≤ 30 mph
INDOT	Yes	No	No	No
La Porte County	Occasionally	Yes	Yes	No
City of La Porte	No	Yes	Yes	Yes

**Street Sweeping Maintenance Schedule**

The City of La Porte’s urban roadways area comprised of arterial, residential and commercial/industrial streets. The amount of pollutant load is associated with roadway classification. High traffic volume roadways (principal and minor arterial) have a more pollutants and a larger sediment load, due to materials associated with vehicular movement such as: brake linings (antimony, copper, zinc), tire wear (cadmium, hydrocarbons, zinc) and the loss of vehicle parts. Lower traffic volume roadways (collector and local streets) potentially reflect lower pollutant loads associated with litter including: seedlings, leaves, grass clippings, twigs and branches. Pollutant loads from litter sources is seasonal with vegetation growth and die-off being greater in residential neighborhoods with mature vegetation versus newer subdivisions. Surrounding land use is also a contributor to pollutant loads and most often is associated with minor arterials and collector streets traversing through commercial and industrial areas. Street sweeping frequency should reflect roadway functional classification, in part.

Street sweeping is conducted primarily within the attached roadway bike path (5-foot section) and gutter area along the curb line (1 – 1.5 foot). While the traffic lanes may also be swept, particularly once or twice on a seasonal basis, most materials will be removed with the bike-path and curb line area.



# CITY OF LA PORTE – STREET SWEEPING & PERVIOUS SURFACE MAINTENANCE GUIDE (CONTINUED)

## Green Pavements

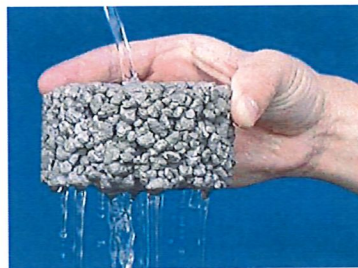
Green paving systems (pervious pavers) allow infiltration of stormwater while providing a stable load-bearing surface for parking, walking and driving. These systems contain void spaces to provide infiltration of runoff into their underlying engineered porous materials and then into native soils. Porous paving systems can preserve natural drainage patterns, enhance groundwater recharge and soil moisture, and can help establish and maintain roadside vegetation. Although a good substitute for conventional concrete and asphalt, porous paving systems are typically not suitable for medium and high traffic volume applications. However, considerable research is underway investigating the use of porous pavement for all roadway applications.

There are several types of porous paving systems, which are referred to here as porous concrete and asphalt, and permeable pavers. When rain falls, the pervious concrete allows on-site infiltration of stormwater. It also filters sediments and pollution from stormwater deposited on the pavement surface. Because this permeable surface is a filter, like any filter it must be cleaned periodically. Cleaning is performed by vacuuming to remove sediments that have accumulated. The frequency of the vacuuming is directly related to the amount of sediment that the surface receives over time.

### Pervious Pavers



### Pervious Concrete



## Maintenance Consideration

Both porous pavements and permeable pavers require sweeping; however, because of their inherent designs they require special care when sweeping. This includes not forcing materials into the “pores” of porous pavements or removing the filler materials from pavers. These pavements are cleaned on the regular street sweeping schedule with the street sweeper. Because of their nature, a special sweeper attachment is also utilized to insure a “deeper cleaning” is managed to keep the pavement working as designed. Routine, periodic and deep cleanings are necessary to keep pervious surfaces filtering water effectively. The City of La Porte’s schedule for this cleaning is following.



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Schedule to meet the *minimal recommendation* for scheduled maintenance of green pavement:

Activity	Schedule
Visually inspect pervious pavement area to ensure that it: <ul style="list-style-type: none"> <li>• is clean of debris</li> <li>• de-waters between storms</li> <li>• is clean of sediments</li> </ul>	Monthly (routine)
<ul style="list-style-type: none"> <li>• Maintain upland and adjacent grassy areas.</li> <li>• Seed upland and adjacent bare areas.</li> <li>• Keep the pervious pavement surface free of sediment by blowing, sweeping or vacuuming.</li> <li>• Excessive water flow carrying debris toward the pavement should be diverted.</li> </ul>	Twice a year (periodic)
<ul style="list-style-type: none"> <li>• Inspect the pervious surface for deterioration or spalling.</li> </ul>	Annually (deep cleaning)

As with any BMP, a maintenance plan must be developed to assure proper procedures are followed. When ownership of the property is transferred, the maintenance plan must be transferred as well. In general, maintenance of pervious concrete pavement consists of monitoring the surface or sediment buildup, and removing that buildup as needed, to maintain the pavement’s permeability. Owners/property managers should follow good housekeeping practices to prevent accumulation of trash, sediment or other debris on the pervious surface. Drainage of all unpaved areas should be directed away from the previous concrete pavement. If areas are allowed to drain onto the pavement, suspended materials may wash into the void structure of the pervious pavement and reduce the porosity and compromise its service life.

### Winter Maintenance of Green Infrastructure

Freeze-thaw resistance of pervious concrete depends on its saturation level at the time of freezing. When the large voids are saturated, complete freezing can cause severe damage to the pervious concrete pavement. Field observations have shown that, due to its rapid draining characteristics, a properly maintained pervious concrete pavement will rarely be fully saturated.

Winter maintenance issues affect pervious concrete the same as standard concrete. Deicing chemicals should not be used on any type of concrete in the first year. Concrete that is not properly cured is more susceptible to damage from deicing chemicals. Because concrete takes longer to cure in lower temperatures, when it is placed late in the year, such as late fall or early winter, it may be more susceptible to damage due to the use of deicing chemicals. As with conventional concrete, applying a penetrating sealer to the pervious concrete can improve its performance in freezing weather. Use a penetrating sealer manufactured specifically for concrete. Concrete penetrating sealer should not be confused with impermeable sealers such as asphalt seal coats.

- Snow plowing can be performed on pervious concrete with trucks mounted with plows, but the plow should be fitted with a polyurethane cutting edge.
- Pervious concrete should never be used as a storage area to pile snow from other areas. The snow that has been plowed from other surfaces may be full of debris that will clog the pervious concrete voids. Additionally, the plowed snow will most likely have a very high salt or anti-skid content.
- Anti-icing pre-treatments should never be used on pervious concrete pavements. If these products are used on adjacent pavements, care should be taken to prevent the adjacent runoff from infiltrating the pervious concrete.

<p>Spill Prevention</p>	<ol style="list-style-type: none"> <li>1) Require easily accessible and properly sized spill kits where spills could occur at all municipally owned facilities.</li> <li>2) Include written protocol and procedures to be performed in facility SWPPP that includes disposal requirements.</li> <li>3) Provide emergency contact information in the event of a spill</li> </ol>
<p>SOP Spill Prevention &amp; Cleanup</p>	<p>Standard Operating Procedure for <b>Spill Prevention &amp; Cleanup</b></p> <p><i>Purpose of SOP:</i></p> <p>To protect stormwater by educating employees on proper Spill Cleanup procedures, State reporting requirements and preventative actions.</p> <p>Always:</p> <ul style="list-style-type: none"> <li>• Stop the source of the spill.</li> <li>• Contain any liquids.</li> <li>• Contact IDEM with any sized spill at (888) 233-7745.</li> <li>• Cover the spill with absorbent material such as kitty litter, sawdust, or absorbent pads. Do not use straw. Dispose of used absorbent material properly.</li> <li>• Use water only when necessary and minimize use.</li> <li>• Contact MS4 Coordinator and/or the Industrial Pretreatment Coordinator at (219) 362-2354.</li> <li>• Develop and maintain a Spill Prevention, Control, and Countermeasure (SPCC)</li> <li>• Plan if the facility stores more than 1,320-gallons of petroleum.</li> <li>• Fit petroleum and chemical storage containers with secondary containment structures.</li> <li>• Keep a spill kit in areas where petroleum or hazardous materials are stored.</li> <li>• Train employees in spill response procedures and equipment.</li> <li>• Deploy containment booms if spill could potentially reach a storm drain or waterbody.</li> <li>• Position mats to contain drips from equipment or vehicles until they can be repaired.</li> </ul> <p>When Possible:</p> <ul style="list-style-type: none"> <li>• Seal the floor with paint to prevent absorption of fluids into concrete.</li> <li>• Install low-level or low-pressure alarms and/or cut-off systems on hydraulic equipment.</li> </ul> <p>Never:</p> <ul style="list-style-type: none"> <li>• Never wash a spill into the storm drain or a water body.</li> <li>• Never leave a spill without cleaning it up.</li> </ul> <p><i>Per IDEM, owners/operators of facilities and modes of transportation are required to report all spills, including the total amount spilled, not the amount unrecovered. All spills require a spill response, regardless of reportability. Timely reporting is more important than immediately determining fault or responsibility. When in doubt, call the 24-Hour Emergency Spill Line at (888) 233-7745. It is better to find out that a spill is not reportable than to be in violation of the Indiana Spill Rule (327 Indiana Administrative Code (IAC) 2-6.1 [PDF]). The secondary containment of hazardous materials is addressed in Rule 10 of Indiana's Water Quality Standards (327 IAC 2-10). Contact IDEM's Office of Records Management for additional data regarding spills.</i></p>