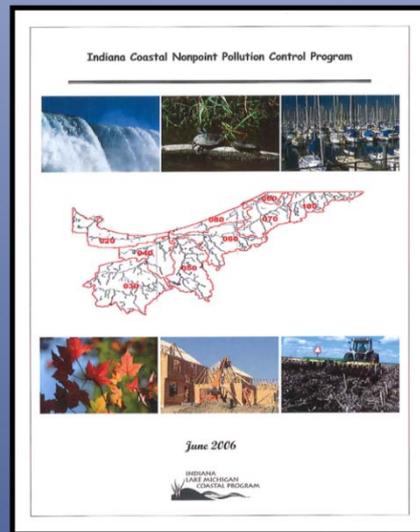


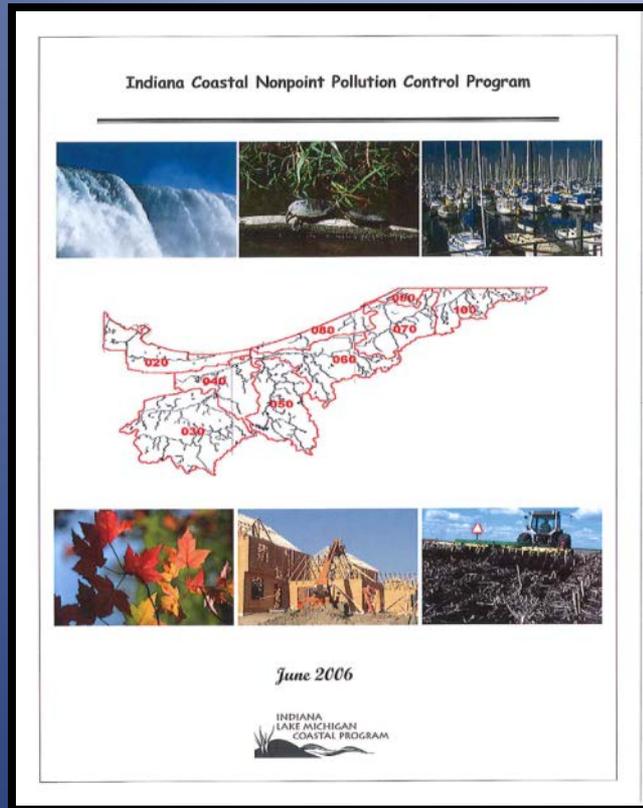
Indiana Coastal Nonpoint Pollution Control Program 2016



Dorreen Carey, Nonpoint Education Assistant

Lake Michigan Coastal Program Citizen's Advisory Board Meeting
August 17, 2016
Michigan City Emergency Management Conference Room

Indiana Coastal Nonpoint Pollution Control Program

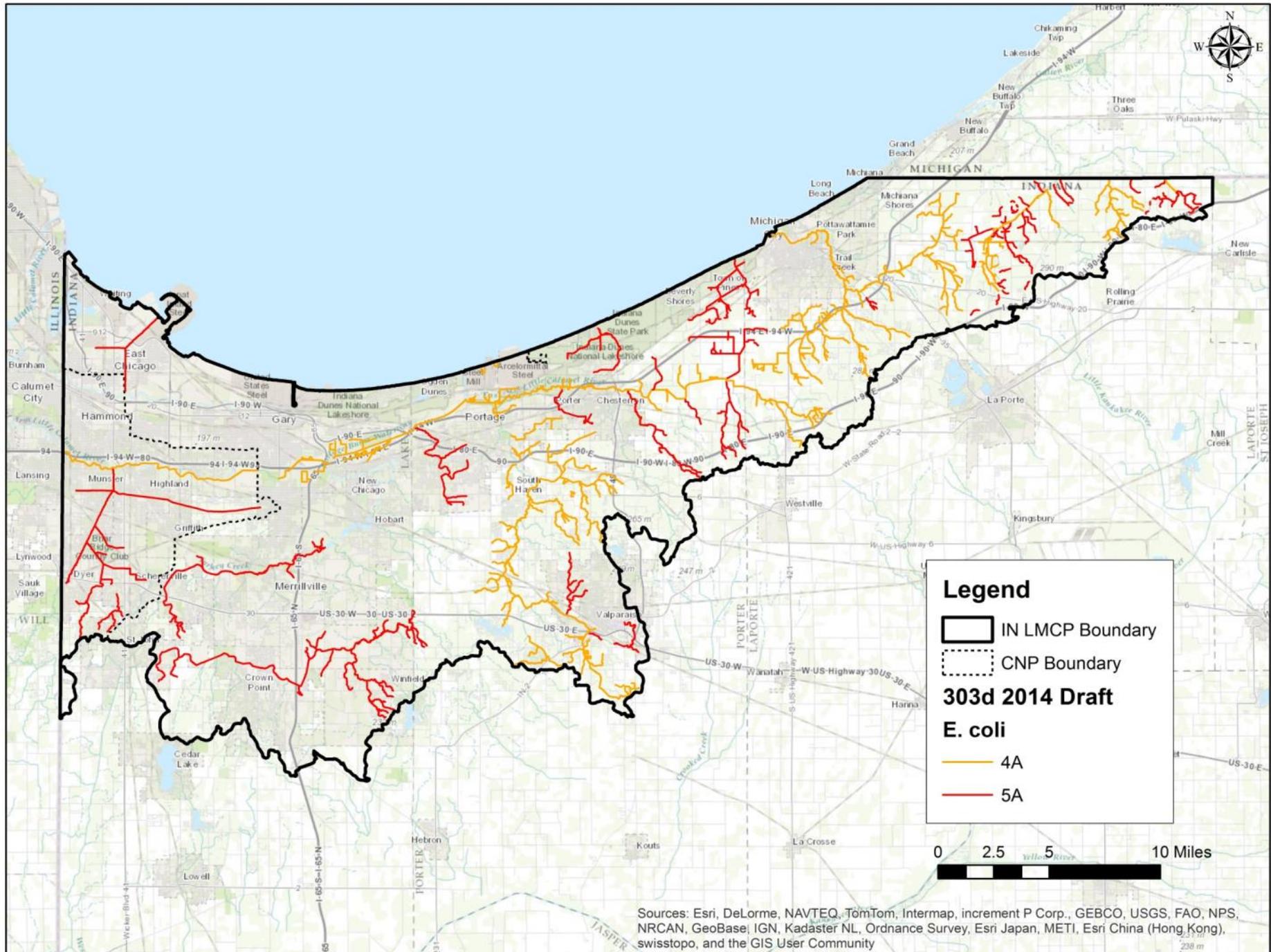


Purpose : To develop and implement management measures for nonpoint source pollution to restore and protect coastal waters...

This will be accomplished by coordinating efforts with identified partners and utilizing existing programs, laws, and statutes.

Submitted to NOAA/EPA in 2005 and approved with conditions to be met for final approval.

As part of the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA), Congress created a stand-alone provision, Section 6217, which requires that states and territories with approved coastal zone management programs develop a coastal nonpoint source pollution control program to address water quality impairment of coastal waters.

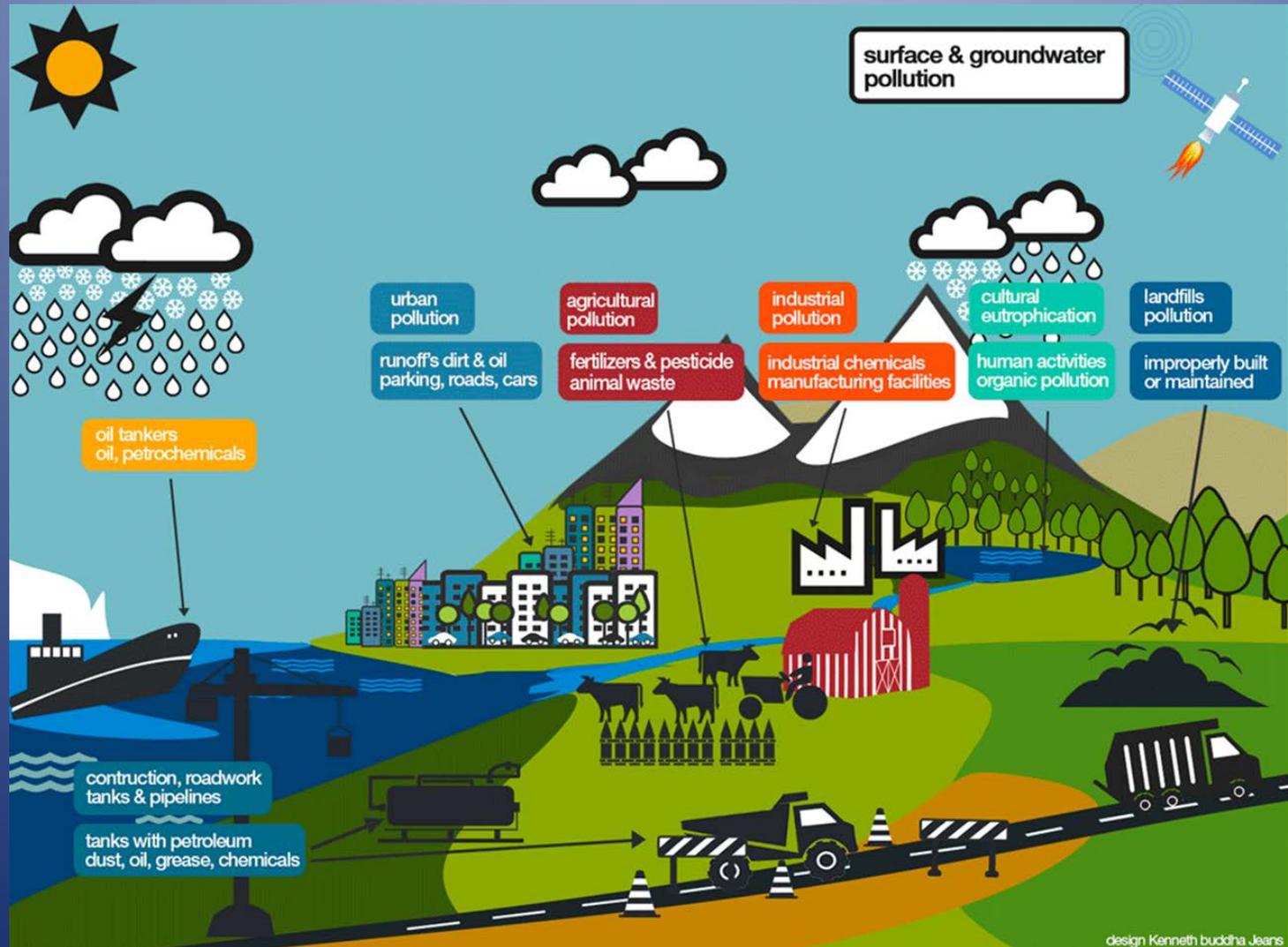


Original Findings for the Indiana Coastal Nonpoint Program

- 1) Boundary - Yes 
- 2) Agriculture – No 
- 3) Urban – Partial 
- 4) Forestry – Exempt
- 5) Marinas & Recreational Boating – Partial 
- 6) Hydromodification – Partial 
- 7) Wetland, Riparian Areas & Vegetated Treatment Systems – Partial 
- 8) Administrative Coordination – Yes 
- 9) Public Participation – Yes 
- 10) Critical Coastal Areas, Additional Management Measures, & Technical Assistance – No 
- 11) Monitoring – No 
- 12) Enforceable Policies and Mechanisms – No 



Between 2006 and 2012 several Urban Measures, one Agriculture Measure, the Hydromodification Measure, and the Marinas & Recreational Boating Measure were approved.



Remaining Unapproved Measures in 2013

- Agriculture – Partial 😞
- Urban – Partial 😞
- Wetland, Riparian Areas & Vegetated Treatment Systems – Partial 😞
- Critical Coastal Areas, Additional Management Measures, & Technical Assistance – No 😞
- Monitoring - No 😞
- Enforceable Policies and Mechanisms – No 😞

Between 2013 and 2016 Indiana Coastal Program & Partners submitted and were approved by EPA NOAA for the following 10 Measures: Monitoring, Critical Coastal Areas, Protection of Wetlands, Nutrient Management, Sediment and Erosion Control, Pesticide Management, Grazing Management, Additional Management Measures, Technical Assistance, & Enforceable Policies and Mechanisms.

Indiana Lake Michigan Coastal Program

Nonpoint Source Pollution Control Program Submission for Programmatic Approval

This document partially addresses the conditions for approval of the coastal nonpoint program as outlined in the January 2013 response from the EPA/NOAA to the coastal program submission of October 2012.

Management Measures Addressed:

1. AGRICULTURE
2. WETLANDS, RIPARIAN AREAS AND VEGETATED TREATMENT SYSTEMS
3. CRITICAL COASTAL AREAS
4. MONITORING

SEPTEMBER 2014

Indiana Lake Michigan Coastal Program

6217 Nonpoint Source Pollution Control Program Submission for Programmatic Approval

This document partially addresses the conditions for approval of the coastal nonpoint program as outlined in the May 2014 response from the EPA/NOAA to the coastal program submission of December 2013.

Management Measures Addressed in this Submission:

1. **AGRICULTURE - Erosion and Sediment Control, Indiana Response - Page 2; Erosion and Sediment Management, Indiana Response - Page 4**
2. **WETLANDS, RIPARIAN AREAS AND VEGETATED TREATMENT SYSTEMS - Protection of Wetlands and Riparian Areas, Indiana Response - Page 4**
3. **CRITICAL COASTAL AREAS, ADDITIONAL MANAGEMENT MEASURES, and TECHNICAL ASSISTANCE - Additional Management Measures and Technical Assistance, Indiana Response - Page 13**

Indiana Lake Michigan Coastal Nonpoint Pollution Control Program Inspection and Maintenance of Existing CSDS Management Measure Submission to NOAA/EPA January 2015

BACKGROUND

The following collection in the EPA/NOAA January 2015 Response to Indiana October 2013 Submission on Inspection and Maintenance of Existing CSDS:

CONDITION: Within five years, Indiana will include in its program management measures and enforceable mechanisms and policies for inspection of existing CSDS. Within five years, Indiana will include in its program management measures and enforceable mechanisms and policies for corrective separation distances to groundwater in conformity with the 402.7(a) guidance for new CSDS. Finally, within five years, Indiana will include in its program management measures and enforceable mechanisms and policies for monitoring systems where retrogressed surface waters may be adversely affected by nitrogen loading from CSDS, in conformity with the 402.7(a) guidance for new and operating CSDS.

DECISION:

- Indiana has met the condition regarding adequate separation distances and was exempted from the monitoring systems requirement (see 2010 interim decision).
- Indiana still needs to include in its program management measures and enforceable mechanisms and policies for inspection of existing CSDS.

RATIONALE: Indiana has proposed to address the inspection requirement for existing CSDS by developing and proposing a voluntary inspection and maintenance program. Indiana has developed a model ordinance for rapid operation and maintenance that would require homeowners to obtain an operating permit that must be renewed every year for three years, depending on the type of treatment system, and has promulgated it to the three coastal counties in the 6217 management area. While the Lake Coastal Nonpoint Program coordinator will continue to facilitate the adoption of the model ordinance, no coastal counties have adopted it yet.

In addition to the model ordinance, the state has also developed an online tracking database for CSDS called iCSDS (included after EPA's TMDL database) and provided training to county health departments on the new tracking system. To help promote iCSDS, Indiana's Lake Michigan Coastal Program (LMCP) provided grant funding to the Lake and Porter County Health Departments to purchase GPS equipment for inspectors to inventory CSDS within the coastal area.

In summer 2013, the coastal nonpoint coordinator also worked with the Northwest Indiana Regional Planning Commission to convene a regional water quality Task Force to organize decision-makers to explore a solution to manufacturing CSDS. The Task Force convened again

February 2016

Indiana Lake Michigan Coastal Program

6217 Nonpoint Source Pollution Control Program Submission for Programmatic Approval

This document partially addresses the conditions for approval of the coastal nonpoint program as outlined in the March 2015 response from the EPA/NOAA to the coastal program submission of September 2014.

In addition, this response meets the timeline for submission for the Protection of Wetlands and Riparian Areas approved in the LMCP 312 Work Plan approved by NOAA in December 2015.

➤ **Background: EPA/NOAA Response March 2015 Pages 2 – 3**

➤ **Indiana Submission for Protection of Wetlands and Riparian Areas February 2016 Pages 3 – 17**



April 2016

Indiana Lake Michigan Coastal Program

6217 Nonpoint Source Pollution Control Program Submission for Programmatic Approval

This document partially addresses the conditions for approval of the coastal nonpoint program as outlined in the March 2015 EPA/NOAA decision documents.

In addition, this response meets the timeline for submission for the Pesticide Management Measure and the Grazing Management Measure in the LMCP 312 Work Plan approved by NOAA in December 2015.



➤ **Background: EPA/NOAA Response March 2015 Pages 2 – 4**

➤ **Indiana Partnerships for a Coordinated and Systematic Conservation Approach Pages 4 – 7**

➤ **Pesticide Management Measure Pages 8 – 15**

➤ **Grazing Management Measure Pages 16 – 19**

Indiana Department of Environmental Management

300 N. Senate Avenue • Indianapolis, IN 46204
317.232.6000 • 317.232.6000 • www.idem.in.gov

June 2, 2016

Mike Mohr, Program Manager
Lake Michigan Coastal Program
Indiana Department of Environmental Management
402 West Washington Street, Room W207
Indianapolis, IN 46204

Dear Mr. Mohr:

Re: Enforceable policies and mechanisms for nonpoint source pollution

The Department of Natural Resources (DNR), as the Lake Michigan Coastal Program (LMCP) implementation agency has requested from the Indiana Department of Environmental Management (IDEM), Indiana's Clean Water Act (CWA) enforcement agency, documentation that outlines the mechanism or process that links the implementing agency with the enforcement agency along with evidence that enforcement authorities are used where necessary. IDEM understands that such documentation is necessary for joint approval of the State's Coastal Nonpoint Pollution Control Program by the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Environmental Protection Agency (U.S. EPA) pursuant to Section 6217 of the Federal Coastal Zone Act Reauthorization Amendments of 1990, 16 U.S.C. 1450, P.L. 101-508.

BRIEF ANSWER

In response to DNR's request, IDEM provides the following relevant CWA program information including CWA implementation and enforcement as they relate to nonpoint source pollution:

- A. Indiana Water Quality Standards (327 IAC 2-1.6 and 327 IAC 2-1.5);
- B. Indiana Water Quality Monitoring Strategy 2011 - 2016;
- C. IDEM Consolidated Assessment and Listing Methodology;
- D. Indiana Spill Reporting Rule (327 IAC 2-6.1);
- E. Indiana Confined Feeding Operation Rule (327 IAC 16);
- F. National Pollutant Discharge Elimination System Requirements (327 IAC 5-2);
- G. Letter from the Indiana Attorney General; and
- H. 6217 Management Measures.

In addition, IDEM has mechanisms available through which DNR or other Indiana partners might report water quality incidents to IDEM, fulfilling the linkage requirement.

 Please Recycle, Reuse, Recycle

Lake Michigan Coastal Nonpoint Pollution Control Program Partners

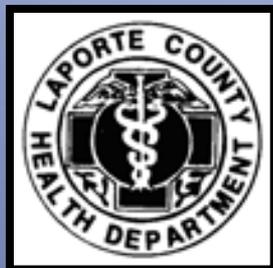


Indiana State Department of Health



PORTER COUNTY
Indiana

Health Department



Porter County Soil and Water Conservation District

URBANWATERS

A Partnership for Restoring Urban Waters, Revitalizing Communities



Lake County Soil and Water Conservation District



LaPorte County Soil and Water Conservation District

PURDUE
EXTENSION



INDIANA
STATE DEPARTMENT OF
AGRICULTURE

Sea Grant
ILLINOIS-INDIANA



One Management Measure Remains



Onsite Disposal System (Septic System) Management Measures are included in the Indiana Lake Michigan Coastal Nonpoint Pollution Control Program



Indiana has not yet met the measure for ensuring that Operating Septic Systems are inspected at a frequency adequate to ascertain whether the system is failing.

Indiana Lake Michigan Coastal Program Must Have Final Approval of the Remaining Management Measure by 2019 or risk monetary penalties to NOAA and EPA 319 funding to the State of Indiana



The NW Indiana Septic System Coordination Work Group

The NW Indiana SSC Work Group comprised of federal, state, and local governments/ agencies, not-for-profit groups, and interested individuals has been meeting since early 2013 to develop collaborative plans and implementation strategies to address the potential impacts of failing septic systems on local water quality and public health.

- IDEM
- USEPA
- Indiana State Dept. of Health
- County Health Depts.
- NIRPC
- Urban Waters Federal Partnership
- Coastal MS4s
- Coastal SWCDs
- Save the Dunes
- Sea Grant
- Coastal Communities
- Septic System Owners
- Indiana Lake Michigan Coastal Program

The Indiana DNR Lake Michigan Coastal Program provides staffing and coordination assistance for the Work Group as part of the Indiana Coastal Nonpoint Pollution Control Program.

The NW Indiana Septic System Coordination Work Group Action Agenda & Accomplishments 2015 -16

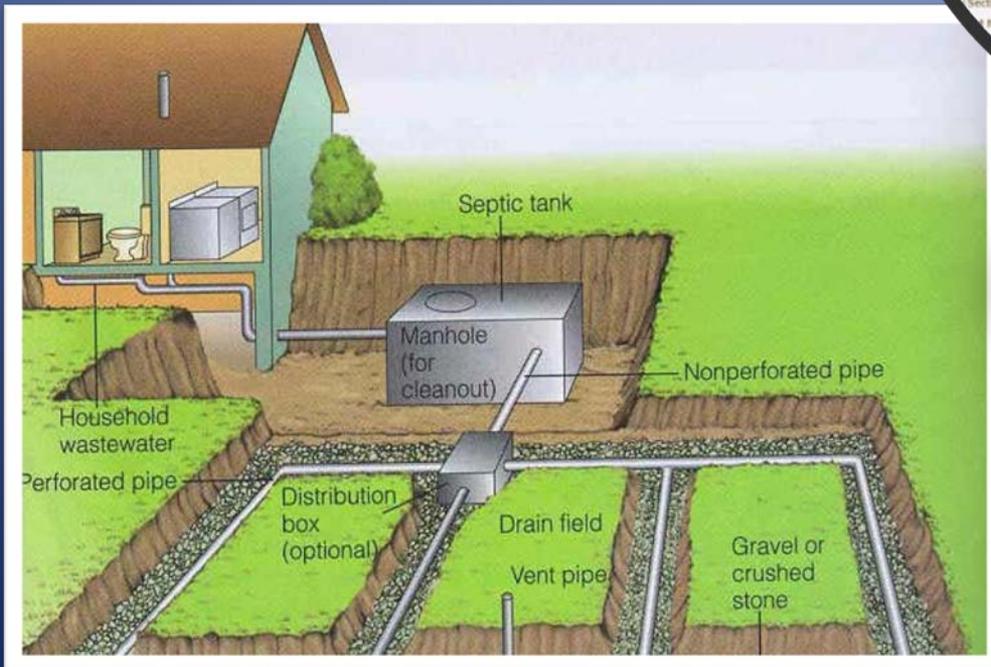
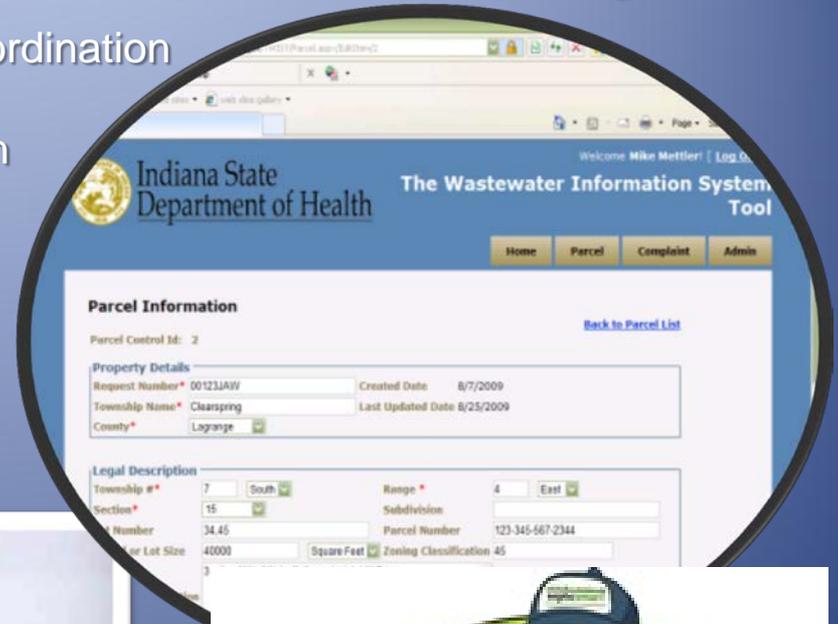
- ❖ Watershed Mapping, Monitoring, and Database development to identify potential septic system impacts on local waterways updated in 2015.
- ❖ LaPorte County passed an Ordinance requiring inspection of septic systems at the time of property transfer. (April 2016)
- ❖ Coordination and information sharing between health departments and nonpoint source pollution programs and projects (319, Coastal, Watershed Groups, SWCDs, MS4s). MS4s have become a key partner for distributing septic system outreach materials to local communities because they have education and outreach measures in place as part of their program requirements.
- ❖ Innovative approaches and funding to address failing septic systems.
 - State Revolving Loan Funds, Federal Appropriations, MS4s.

The NW Indiana Septic System Coordination Work Group Action Agenda & Accomplishments 2015 16

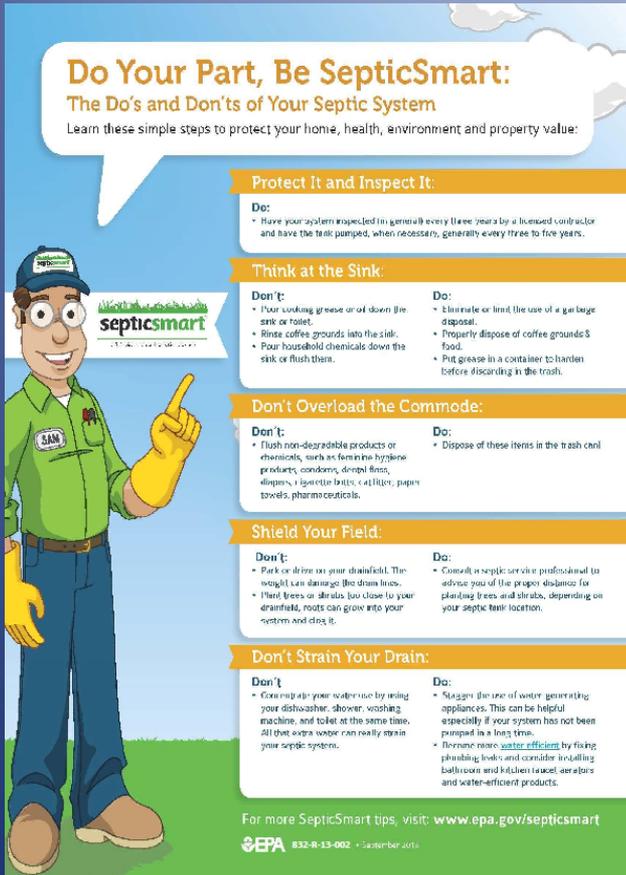
- ❖ Bi-monthly meetings with partners for project/program updates, discussion, and educational presentations.
- ❖ Focus Groups – Septic System operation and maintenance awareness in the Coastal Region.
 - Septic System Awareness Focus Groups and Surveys developed by NW Indiana Urban Waters Partnership conducted in three Lake Michigan watershed counties in 2014/2015 to determine knowledge base of septic system owners concerning how their septic system works, their maintenance practices, and who they contact and trust for assistance and information.
 - Based on Focus Group final analysis, the Septic System Coordination Work Group will develop Coastal Septic System outreach and education program to be funded through the Indiana Lake Michigan Coastal Program.

Operating Septic System Inspection Program

- Ongoing Coordination with Septic System Coordination Work Group Partners
- Develop and Implement Outreach & Education Strategy:
 - Septic Owners
 - Decision-Makers
 - Realtors
- Map Septic Areas/Populate Database
- Promote SepticSmart Program



Support and Promote EPA SepticSmart Week September 19 – 23, 2016 at the State and Local level.



Do Your Part, Be SepticSmart:
The Do's and Don'ts of Your Septic System
Learn these simple steps to protect your home, health, environment and property value:

Protect It and Inspect It:
Do:
• Have your system inspected in general every three years by a licensed contractor and have the tank pumped, when necessary, generally every three to five years.

Think at the Sink:
Don't:
• Pour cooking grease or oil down the sink or toilet.
• Rinse coffee grounds into the sink.
• Pour household chemicals down the sink or flush them.
Do:
• Eliminate or limit the use of a garbage disposal.
• Properly dispose of coffee grounds & food.
• Put grease in a container to harden before discarding in the trash.

Don't Overload the Commode:
Don't:
• Flush non-degradable products or chemicals, such as feminine hygiene products, condoms, dental floss, diapers, cigarette butts, cat litter, paper towels, pharmaceuticals.
Do:
• Dispose of these items in the trash can.

Shield Your Field:
Don't:
• Park or drive on your drainfield. The weight can damage the drain lines.
• Plant trees or shrubs too close to your drainfield, roots can grow into your system and clog it.
Do:
• Consult a septic service professional to advise you of the proper distance for planting trees and shrubs, depending on your septic tank location.

Don't Strain Your Drain:
Don't:
• Conserve your water use by using your dishwasher, shower, washing machine, and toilet at the same time. All the extra water can really strain your septic system.
Do:
• Maximize the use of water-generating appliances. This can be helpful especially if your system has not been pumped in a long time.
• Increase more **water efficiency** by fixing plumbing leaks and consider installing bathrooms and kitchen faucet aerators and water-efficient products.

For more SepticSmart tips, visit: www.epa.gov/septicmart

 832-R-13-002 • September 2015

43 participating governments, agencies, organizations and individuals distributed the 3,500 EPA SepticSmart education brochures during SepticSmart Week and provided links to the EPA SepticSmart web page with the message that regular care and maintenance of septic systems can prevent failure.

- Newspaper, Radio, Television
- Web, Facebook, Blogging
- Mailings, Outdoor Banners
- Outreach to Septic Haulers
- Presentations
- Resolutions & Proclamations

Questions?



Dorreen Carey – DCAREY@DNR.IN.GOV