

## 2022 Michigan Inland Lakes Convention

### Wastewater Management Along Inland Lakes:

Impacts, Alternative On-Lot/Off-Lot Systems and Example Septic to Sewer Projects in Michigan- Friday, September 16, 2022; 3:00 pm- 4:30 pm

#### **SPEAKER CONTACT INFORMATION**

- **Joel Kwiatkowski**, Environmental Health Manager, Bay County Health Department, [kwiatkowskij@baycounty.net](mailto:kwiatkowskij@baycounty.net); (989) 895-4107
- **Zachary Schaeding**, Environmental Sanitarian, Bay County Health Department, [schaedingz@baycounty.net](mailto:schaedingz@baycounty.net); (989) 895-4142
- **Larry Stephens**, Professional Engineer, Stephens Consulting Services, P.C.; [scscons@yahoo.com](mailto:scscons@yahoo.com); (517) 749-1658
- **Mike Stephens**, Wastewater Product Manager, Milan Supply/Valley Farms Supply; [mike.stephens@valleyfarmssupply.com](mailto:mike.stephens@valleyfarmssupply.com); [mike.stephens@milansupply.com](mailto:mike.stephens@milansupply.com); (517) 388-2081
- **Bindu Bhakta**, Michigan State University Extension; Session Moderator; [bhaktabi@msu.edu](mailto:bhaktabi@msu.edu); (248) 396-9777:

#### **ADDITIONAL RESOURCES**

##### Mapping Resources:

###### FetchGIS-

A modern web and mobile GIS used by government, business, and industry that helps audiences benefit from a wide range of location data and services. Select a location from the map to open a FetchGIS Community service and explore parcels, aerial imagery, land information and much more.

[app.fetchgis.com](http://app.fetchgis.com) (copy and paste into browser) or click [here](#)

###### Bay County Environmental Health Map:

[app.fetchgis.com/bayEHpublic](http://app.fetchgis.com/bayEHpublic) (copy and paste into browser) or [click here](#)

**Amalgam-** Geospacial consulting firm working with Bay County Health Department on septic system inventory and mapping: <http://amalgamonline.com/>

**Local Health Department Maps:** <https://www.michigan.gov/mdhhs/inside-mdhhs/county-offices/lhd>

##### Michigan Department of Environment, Great Lakes, & Energy (EGLE) Onsite Wastewater Program:

[https://www.michigan.gov/egle/0,9429,7-135-3313\\_71618\\_51002---,00.html](https://www.michigan.gov/egle/0,9429,7-135-3313_71618_51002---,00.html)

##### Department of Environment, Great Lakes, and Energy Failing Onsite Septic Systems Loan Program:

- \$35 million dollars in funding approved by the Michigan legislature to address failing septic system issue
- development of septic replacement loan program currently under way

**National Onsite Wastewater Recycling Association (NOWRA):** [www.NOWRA.org](http://www.NOWRA.org)

Library: <http://www.nowra.org/content.asp?pl=27&contentid=27>

**National Small Flows Clearinghouse:** <https://www.nesc.wvu.edu/about-actat/national-small-flows-clearinghouse>

##### Tip of the Mitt Watershed Council

**Septic Systems:** <https://www.watershedcouncil.org/septic-systems.html>

## United States Environmental Protection Agency (EPA)

SepticSmart Week, September 19-23, 2022: <https://www.epa.gov/septic/septicmart-week>

Septic Systems (Onsite/Decentralized Systems): <https://www.epa.gov/septic>

Onsite Wastewater Treatment Systems Manual (Revised Feb. 2002):

[https://cfpub.epa.gov/si/si\\_public\\_record\\_Report.cfm?Lab=NRMRL&dirEntryID=55133](https://cfpub.epa.gov/si/si_public_record_Report.cfm?Lab=NRMRL&dirEntryID=55133)

Voluntary National Guidelines for Management of Onsite and Clustered (Decentralized) Wastewater Treatment Systems:

[https://www.epa.gov/sites/production/files/2015-06/documents/septic\\_guidelines.pdf](https://www.epa.gov/sites/production/files/2015-06/documents/septic_guidelines.pdf)

Michigan Rural Water Association: [www.mrwa.net](http://www.mrwa.net)

The Water Research Foundation: <https://www.waterrf.org/>

## Investing in Onsite Wastewater Treatment Systems for Equity and Sustainability- Environmental Policy Innovation

Center- This report takes a look at the issue of failing onsite systems, available funding programs with local and state case studies, and key recommendations for policymakers.

<https://www.policyinnovation.org/blog/new-report-investing-in-americas-onsite-wastewater-treatment-systems-for-equity-and-sustainability>

## Compendium of Decentralized Wastewater Demonstration

<https://www.epa.gov/system/files/documents/2021-08/compendium-august-2021.pdf>

## Michigan State University (MSU) Extension

Septic Education Program: [https://www.canr.msu.edu/septic\\_system\\_education/](https://www.canr.msu.edu/septic_system_education/)

## Flooding Resources

### FAQ: Septic Systems & Flooding

[https://www.michigan.gov/documents/deq/deq-eh-onsite-Septic\\_Systems\\_and\\_Flooding\\_626114\\_7.pdf](https://www.michigan.gov/documents/deq/deq-eh-onsite-Septic_Systems_and_Flooding_626114_7.pdf)

### National Environmental Health Association:

<https://www.neha.org/eh-topic/preparedness-response-septic-systems>