



# MPART Citizens

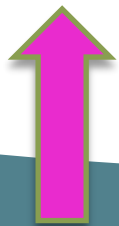
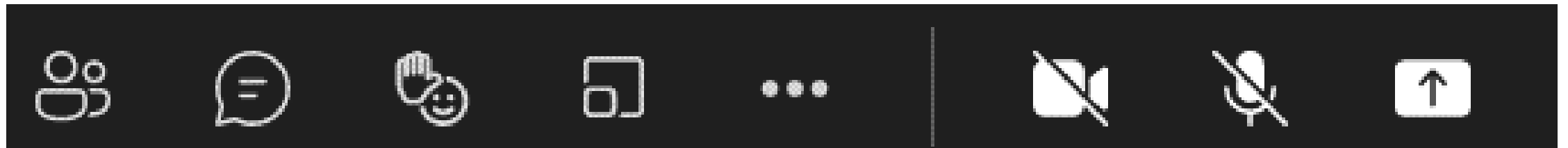
# Advisory Workgroup

September 12, 2023

MPART

# Housekeeping

- Please keep your mic/phone muted unless speaking
- Only use the “raise hand” and/or “chat” function for questions or to request to speak
- Cameras are optional
- This meeting is being recorded



# Agenda

- Roll Call – Community Updates
- Subcommittee Updates
- Fertilizer Program
- Recap – CAWG Member Meeting
- Discussion/Concerns
  - Eat Safe Fish Guideline Distribution
- MPART Updates
- Future Meeting / Topics



# Roll Call and local updates/events/ sharing from communities



# CAWG Subcommittee's



Membership Subcommittee



Website Review Subcommittee



Preventative Measures Subcommittee



Engaging the Public Subcommittee



# The Fertilizer Program

Review of the Program

Jarrood Fletcher

09/12/2023

## QUICK START GUIDE - PLANTS & SHRUBS

Apply to established plants, trees, shrubs, flowers and vegetables at a rate of 1/3 pound per 100 square feet. Apply evenly under the drip line and around base of plants. If possible, mix lightly into the soil. Water deeply after application. Apply as needed every 30-60 days throughout the growing season. 1/3 lb = 1/2 cup; 100 square feet = 5 ft x 20 ft area or 10 ft x 10 ft area.

Note: IronPro™ Fast Acting Iron Supplement is intended as a supplement to a regular fertilization program and may not, by itself, provide all the nutrients normally required by plants.

### 1-0-1

#### GUARANTEED ANALYSIS

Total Nitrogen (N).....	1.0%
1.0% Urea Nitrogen (N) <sup>††</sup>	
Soluble Potash (K <sub>2</sub> O) .....	1.0%
Calcium (Ca) .....	8.0%
Sulfur (S) .....	2.0%
2.0% Combined Sulfur (S)	

Iron (Fe) ..... 20.0%  
Derived from Flue Gas Desulfurization (FGD) Gypsum, Iron Oxide, Muriate of Potash, Urea, Polymer Coated Urea

<sup>††</sup> Contains 0.5% Slowly Available Urea Nitrogen (N) from Polymer Coated Urea.

In MS: Low Analysis Fertilizer  
F002948

\*Versus unfed lawn.  
†Versus standard lawn fertilizers.  
‡When used as directed.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

NOTICE: ALTERNATIVE DISPUTE RESOLUTION REQUIRED BY STATE LAW. The seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Not recommended as fertilizer substitute. Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local regulations for fertilizer use. †In North Florida, do not apply to lawns during winter months. Do not allow ruminants to graze on land until after a rainfall or irrigation event.

CAUTION: SLIPPERY WHEN WET. Keep out of the reach of children and pets. Not for internal consumption. May be harmful if ingested. Eye contact with contents may cause irritation. Flush eyes with water as soon as possible. Dust from product may cause allergic reaction.

Earth Science and IronPro are trademarks of Skyline Encap Holdings, LLC.

Questions? Call 1-877-405-5050 or visit [EarthScienceGrowing.com](http://EarthScienceGrowing.com) | Skyline Encap Holdings, LLC 320 N Broadway Ste 340, Green Bay, WI 54303

### 100% GUARANTEED


Earth Science guarantees the performance of this product when used as instructed. If for any reason you are not satisfied with this product, mail us your original proof of purchase to obtain a full refund of your purchase price.

# Overview

- Program overview
- Label review process
- Non-regulated materials
- Regulatory Tools
- Protecting humans, animal health, and the environment

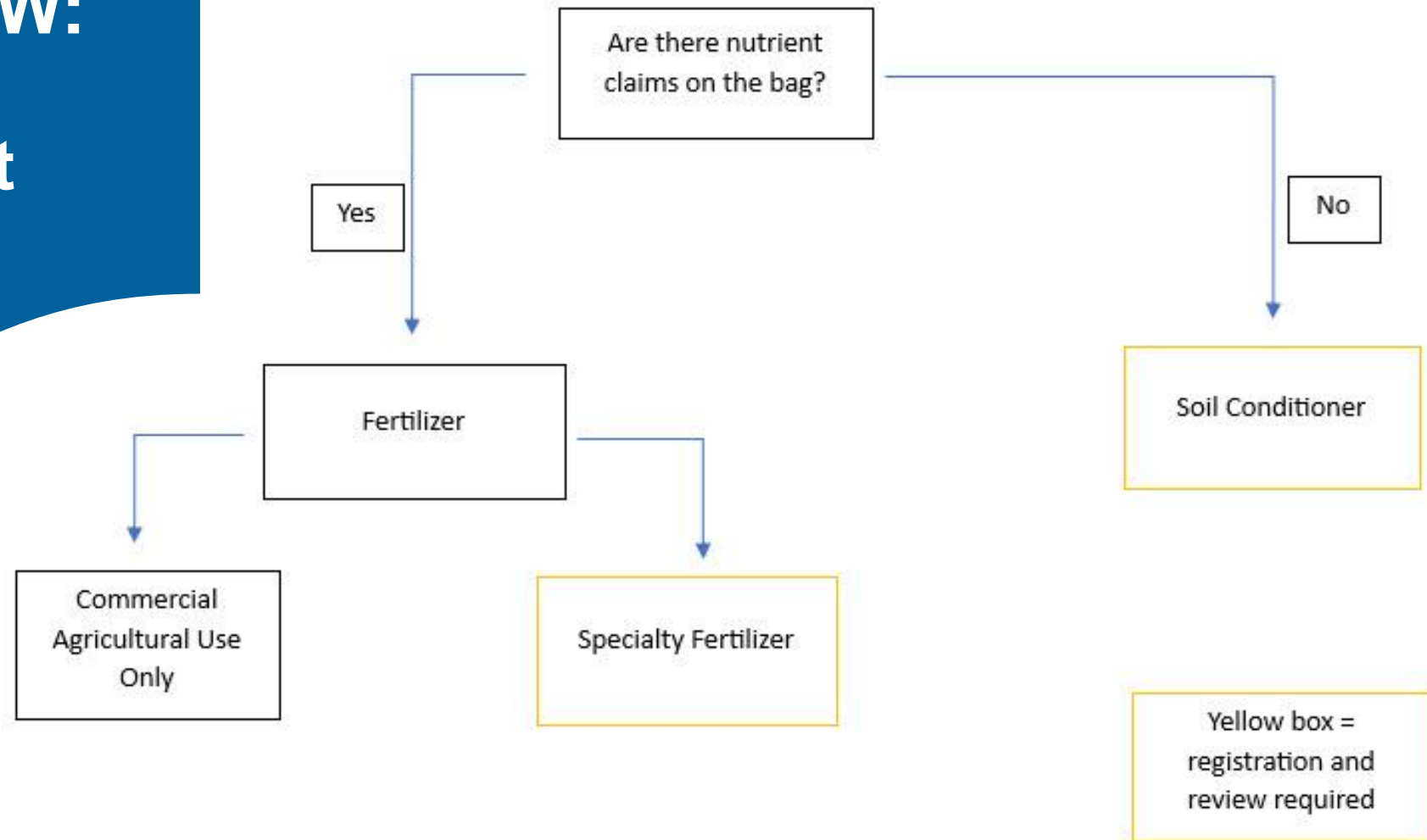
# Program Overview:

## *Authority of the Fertilizer Program*

- Natural Resources and Environmental Protection Act (NREPA), Act 451 of 1994, Part 85 – Fertilizers
  - Regulation No. 634 – Commercial Fertilizers
- 



# PROGRAM OVERVIEW: Flowchart





**Michigan Department of Agriculture & Rural Development**

P.O. Box 30776, Lansing, MI 48909 • 517-284-5771

FAX: 517-284-0468 www.Michigan.gov/MDARD-Fertilizer

In accordance with 1994 Public Act 451, Part 85 as amended.

PI-106 (Rev 11/21)

**Fertilizer & Soil Conditioner License / Registration Application**

License Year Ending: Dec. 31 Status:  New  Renewal  No Longer Needed

If Renewal, Unique ID or License No. of Establishment \_\_\_\_\_

**Business Information**

Submitter Name: \_\_\_\_\_

Submitter Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ County: \_\_\_\_\_

Zip: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Manufacturer (Label) Name and Address if different from above: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ County: \_\_\_\_\_

Zip: \_\_\_\_\_ Country: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ Business Website www. \_\_\_\_\_

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For Official Use Only

Federal ID or EIN Number \_\_\_\_\_

**Resident Agent (Out-of-State Firms Only)**

Out-of-state firms must select one of the following:

Michigan Resident Agent

Resident Agent Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_

No Resident Agent (Opt Out)

In lieu of a resident agent, the firm will maintain and make fertilizer and soil conditioner records required by law available to MDARD and pay all costs incurred by MDARD in auditing the records if they are held at an out-of-state location.

**Specialty Fertilizer & Soil Conditioner Product Registration (attach additional sheets if needed)**

Check product type: Specialty Fertilizer = S Soil Conditioner = C Beneficial By-Product = B	Product Name	Grade		
		N	P	K
<input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> B				
<input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> B				
<input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> B				
<input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> B				
<input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> B				

**Fertilizer Manufacturer/Distributor & Soil Conditioner Facility License (attach additional sheets if needed)**

# Specialty Fertilizers and Soil Conditioners Require MDARD Approval

- Application submitted
- Program reviews
- Program approves or denies

# Program Overview:

## *Regulated Products or Materials*

### **What audience is the label targeting?**

- Commercial – agricultural use only
- Specialty Fertilizer: primarily non-farm, residential use
- Soil Conditioners: both agricultural use and residential use





# Review Process

## Specialty Fertilizers

- Review required components
- Review ingredients
- Request additional information if needed



# REVIEW PROCESS:

## Specialty Fertilizers

Product Registration required before sale/distribution

- Label requirements - Packaged
  - Net weight
  - Brand or Product Name
  - Name and Address of licensed manufacturer or registrant
  - Grade (NPK)
  - Guaranteed Analysis
  - Derived from statement (sources of nutrients)

# REVIEW PROCESS:

## Fertilizer ingredients

**DERIVED FROM:** Iron Sulfate, Muriate of Potash, Polymer Sulfur-Coated Urea, Urea, Wheat Protein Hydrolysates

**DERIVED FROM: Feather Meal, Bone Meal, Potassium Magnesium Sulfate, Fish Bone Meal, Sulfate of Potash, Fish Meal, Wollastonite, Basalt, Alfalfa Meal, Crustacean Meal, Kelp Meal**

- Synthetic – made by chemical synthesis, especially to imitate a natural product
- Natural fertilizer – means a substance composed only of natural organic, natural inorganic, or both types of fertilizer materials and natural fillers



Net Wt. 40 Lbs.  
(18.1 Kg)

Granular for use in conventional and organic production containing MycoApply® to promote:

- Root mass expansion
- Nutrient use efficiency
- Drought tolerance



**CONTAINS NON-PLANT FOOD INGREDIENTS:**

Soil Amending Guaranteed Analysis

0.03% Total Active Ingredients

<i>Funneliformis mosseae</i> .....	(33.1 propagules/g)
<i>Rhizophagus intraradices</i> .....	(33.1 propagules/g)
<i>Claroideoglomus etunicatum</i> .....	(33.1 propagules/g)
<i>Claroideoglomus claroideum</i> .....	(33.1 propagules/g)

99.97% Total Inert Ingredients (Clay)

**"THIS PRODUCT IS NOT A PLANT FOOD"**

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

**STORAGE CONDITIONS:**

Product can be stored in a cool, dry area without loss of viability.

# REVIEW PROCESS:

## Soil Conditioners

**Product Registration required before sale/distribution**

- Label requirements - Packaged
  - Net weight or net volume
  - Brand or Product Name
  - Name and Address of licensed manufacturer or registrant
- During Review
  - Efficacy data/field trial results included with application



# Retail products exempt from Part 85

- Unmanipulated plant/vegetable manures
- Topsoil
- Microbial products
- Waste stream/byproducts regulated by EGLE
  - Biosolids land applied direct from Michigan WWTPs



## CONTAINS NON-PLANT FOOD INGREDIENT:

### ACTIVE INGREDIENT:

60.0% Calcium Carbonate

40.0% INERT INGREDIENTS (Water and Stabilizers)

100.0% Total

## GENERAL INFORMATION

DIFFUSION® is a flowable, micronized dispersion of calcium carbonate that forms a dry, white, mineral-based particle film on target crops. This film protects against sunburn and heat stress, improves chill accumulation hours, and reduces excessive heating of buds and stems on sunny winter days. It can be foliarly applied on all crops that are not calcium sensitive.

## DIRECTIONS FOR USE

DIFFUSION may be used on many crops that are affected by heat stress, including but not limited to almonds, apples, apricots, avocados, cherries, citrus, figs, grapes, melons, nectarines, olives, onions, peaches, pecans, pears, plums, potatoes, raspberries, and strawberries.

**COMPATIBILITY:** DIFFUSION can be applied alone or with compatible agricultural chemicals. Proposed mixtures should be evaluated in a jar test before full scale use. Consult with your local Wilbur-Ellis representative for further information.

## PRECAUTIONARY STATEMENTS

### KEEP OUT OF REACH OF CHILDREN

Based on currently available data, this product is not classified as a GHS hazardous substance. However, observe good industrial hygiene practices. Wash hands after handling. Refer to the Safety Data Sheet if first aid instructions are needed.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store in original container only and keep tightly sealed when not in use. Store away from incompatible materials. Dispose of contents/container in accordance with federal, state and local regulations.

Information regarding the contents and levels of metals in this product is available on the Internet at <https://www.cerfas.org/metals.html>





# Regulatory tools

## Orders and fines

- Seizure Order – Stop Sale
- Cease and Desist
- Administrative fines

## Labels

- Adulterated/misbranded labels



# Other MDARD agencies

## Weights & Measures

- Regulates bags/containers
- Verify units of measurement



# Environmental protections

- Bulk Agrichemical Storage Regulations
  - 640
  - 641
  - 642
- “Phosphorus-Free Turf Law” – est. 2012
- Label review process – asking the right questions

May evolve as the industry evolves

# Consumer Safety Advisory: ScottsMiracle-Gro Alerts Consumers of Potential Debris in Certain Soil Products; Launches Effort to Remove Existing Inventory for Michigan Retail Outlets

January 29, 2021 14:00 ET | Source: [Scotts Miracle-Gro Company \(The\)](#)

Follow

MARYSVILLE Ohio, Jan. 29, 2021 (GLOBE NEWSWIRE) -- ScottsMiracle-Gro has initiated a consumer advisory for certain Miracle-Gro® Raised Bed Soil, Nature's Care® Raised Bed Soil, and Miracle-Gro® Performance Organics® In-Ground Soil produced at one of our Michigan facilities between May 15, 2020 and June 4, 2020 and is replacing them with new products. This voluntary action is being undertaken in cooperation with the Michigan Department of Agriculture and Rural Development.

The products being withdrawn could potentially contain foreign materials (such as plastic, fabric, metal, glass, ceramic, rubber or styrofoam) that do not align with the Company's internal quality and safety standards. The company is taking steps to be sure the replacement product aligns with internal standards.

"The quality, safety and purity of our products are of utmost importance to us," said Dave Swihart, Senior Vice President of Global Technology and Operations, whose role includes product stewardship and safety. "We regret that last spring the products produced did not live up to the rigorous protocols and policies in place to help ensure our products meet our quality and safety standards. We take the report of foreign material found in soils seriously and we're taking these transparent steps to ensure our strict product quality standards and consumer protections have been



# Questions



# Thank you!



Jarrod Fletcher  
[fletcherj6@michigan.gov](mailto:fletcherj6@michigan.gov)  
517-449-2635

# Member General Discussion/Concerns

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Member Meeting Recap

Eat Safe Fish Guidelines Distribution

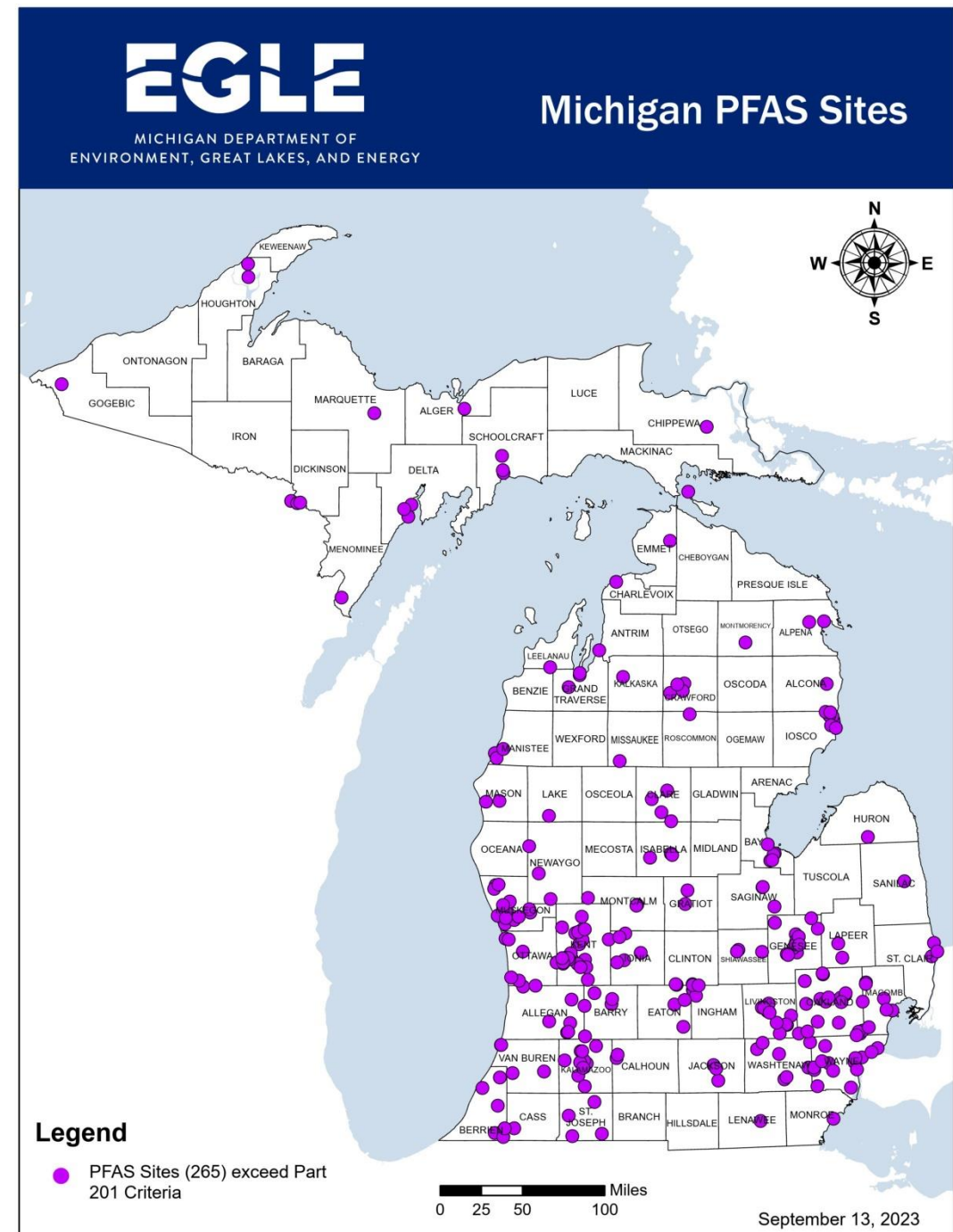
# MPART Update

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# New MPART Sites / Areas of Interest

- Misak Landfill  
Yankee Springs Township, Barry County
- Central Landfill Authority  
Iron Mountain, Dickinson County
- Bay City Fire Department, Station #2  
Bay City, Bay County
- McBain Sanitary Wastewater Treatment Plant  
McBain, Missaukee
- *Going live tomorrow:*  
Mason County Sanitary Landfill  
Scottville, Mason County



# Upcoming Town Halls

- Sept 19<sup>th</sup>, 6 - 8pm
  - Community Meeting - American Anodco Information Session
- Sept 20<sup>th</sup>, 6 - 7:30pm
  - Courtland Township Public Meeting
- Sept 21<sup>st</sup>, 6 - 7:30pm
  - Hillsboro Area of Interest PFAS Investigation Public Meeting
- Sept 25<sup>th</sup>, 6 - 8pm
  - MPART PFAS Community Meeting - 2440 West Highland Road - Upland Area of the Shiawassee River Superfund Site Information Session
- Sept 28<sup>th</sup>, 6 - 7:30pm
  - MPART PFAS 101 Public meeting - Yankee Springs Township

# Updates

- Reminder - Residential Well Drinking Water Sampling Funds (doesn't include PFAS)
- [MSU Symposium](#)
- Great Lake PFAS Summit December 2023
- Annual Workgroup web page updates in process
- DoD notification to farms

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Future Topics?

Next Meeting:  
October 10, 2023



# MICHIGAN PFAS ACTION RESPONSE TEAM (MPART)

[www.Michigan.gov/PfasResponse](http://www.Michigan.gov/PfasResponse)



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

