



MICHIGAN ENVIRONMENTAL
COMPLIANCE CONFERENCE

Meeting Statewide Sustainability Goals through Part 115 Authorizations and Reporting Tools

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Part 115 – Benchmark Recycling Standards (BRS)

- “It is the goal of this state to achieve through the benchmark recycling standards a 45% municipal solid waste recycling rate...”
 - 2029 interim goal 30%
 - Currently at 26%



Other Requirements from BRS

- January 1, 2026 – 90% of single-family dwellings (SFDs) in urban areas
- January 1, 2028 – 90% of SFDs in municipalities with 5,000 or more residents
 - Curbside recycling
- January 1, 2032 – Counties with a population less than 100,000
 - One drop-off recycling location for each 10,000 residents w/out access to curbside recycling
- January 1, 2032 – Counties with a population more than 100,000
 - One drop-off for each 50,000 residents



How is the Recycling Rate Calculated?

- Data is acquired from multiple reports
 - Part 115
 - Part 175 (Recycling)
 - Part 173 (e-waste)
 - Part 169 (Scrap Tires)
 - Bottle bill

$$\text{RECYCLING RATE} = \frac{\text{Total tons MSW Recycled and Composted}}{\text{Total tons of MSW Recycled, Composted, Landfilled, Incinerated}} \times 100$$

Percent of waste recycled and composted

$$\text{DIVERSION RATE} = \frac{\text{Total tons MSW Recycled, Composted, Diverted}}{\text{Total tons of MSW Recycled, Composted, Landfilled, Incinerated, Diverted}} \times 100$$

Percent of waste diverted from disposal.

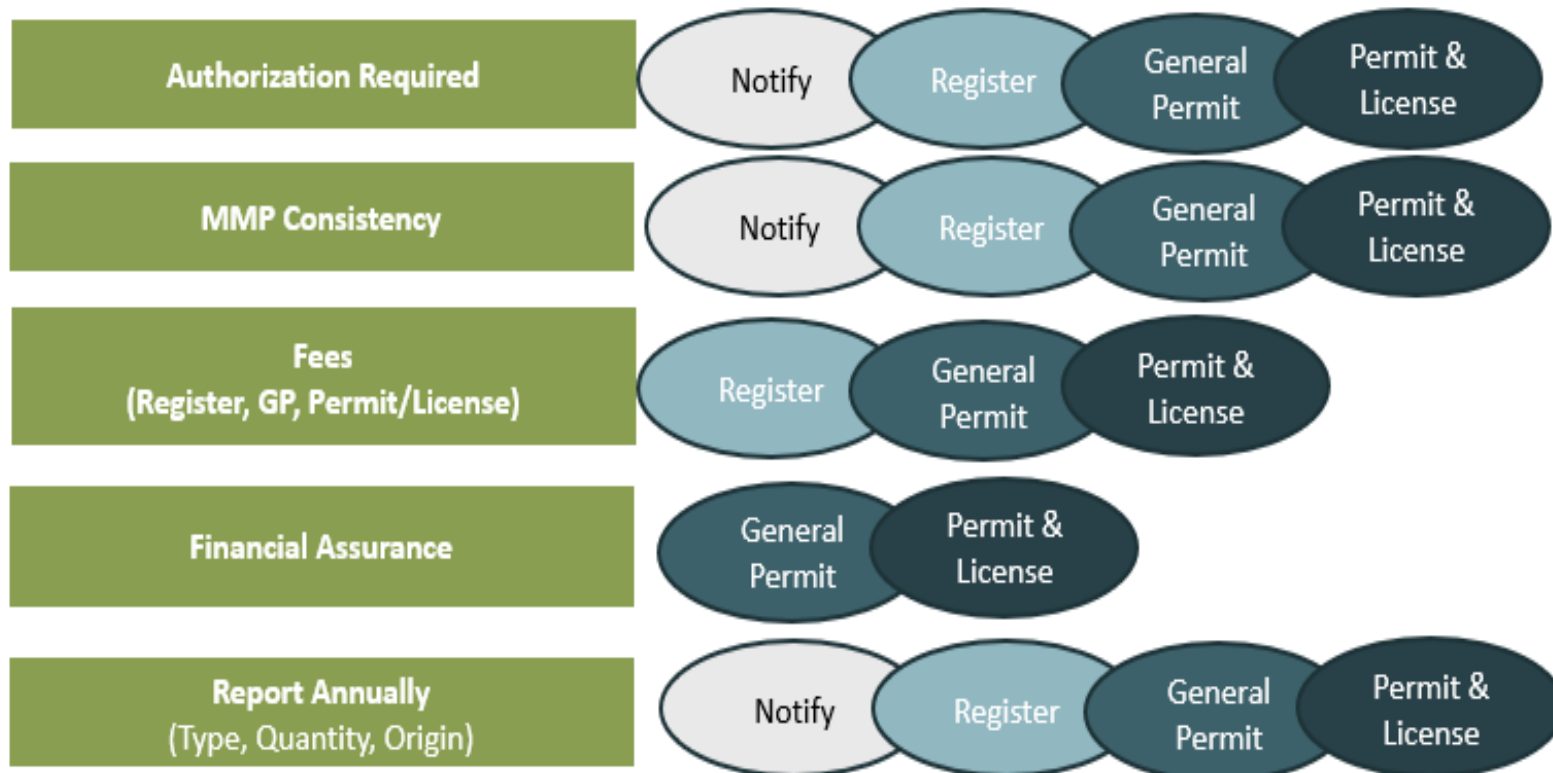
Including recycling, composting, reuse, recovery, donation, co-generation, digestion, etc.

Types of Facilities

- Materials Management Facilities (MMF)
 - Disposal Areas
 - LF & PTFs
 - Materials Utilization Facilities (MUFs)
 - MRFs, ADs, and ITFs composters
 - Waste Diversion Center

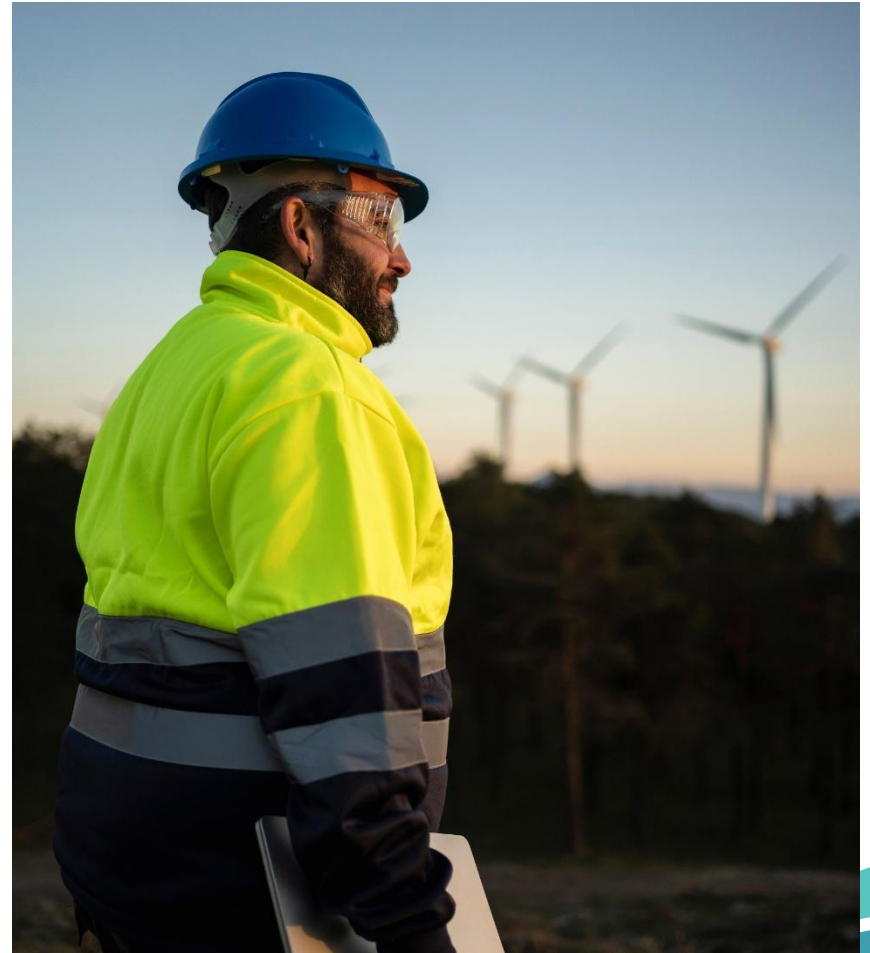


Authorization Levels



Authorization Work – EGLE

- 2023 and 2024 additional district staff and Lansing (central) staff to support new authorizations
- Initial work determining how, what, where, and most importantly, why



Data Transfer – State to Local



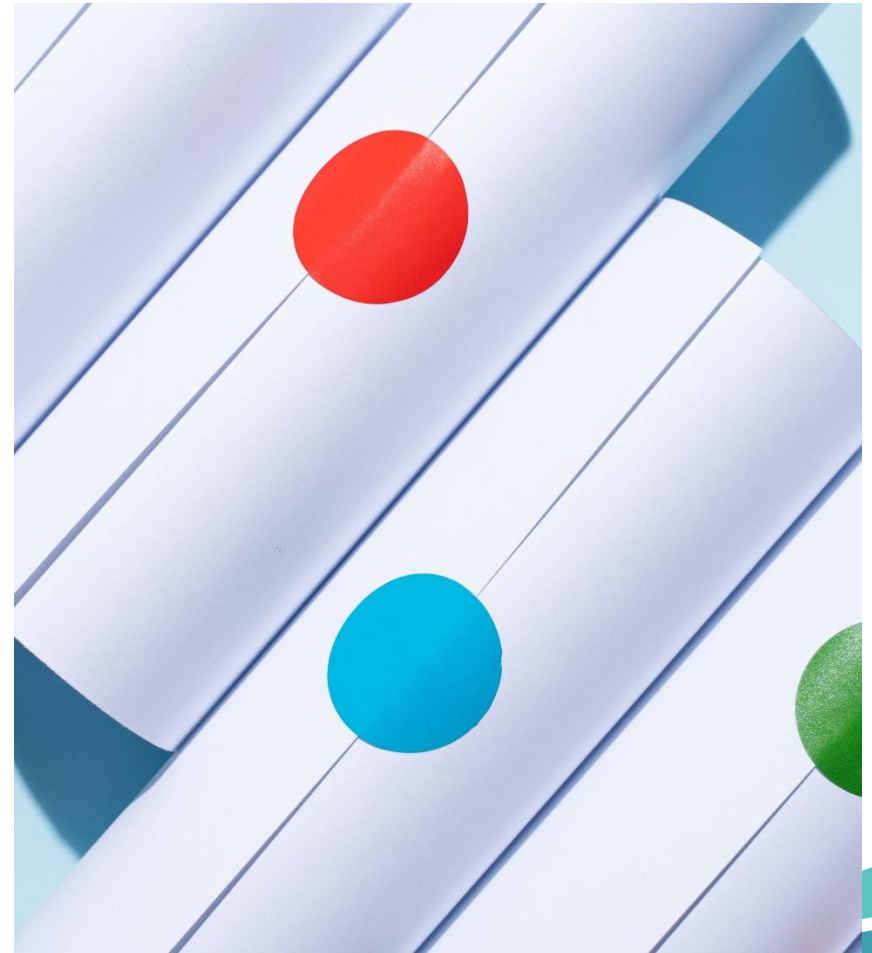
Failing to Authorize

- Sites or facilities that fail or refuse to authorize can be subject to civil fines
- At the bare minimum, EGLE is communicating with the local or county level regarding these out-of-compliance sites



Statutory Citation(s)

- Part 115 – Section 11568
 - Subsection 2: MRF Authorization
 - Subsection 3: Compost Authorization
 - Subsection 4: AD Authorization
 - Subsection 5: ITF Authorization



Annual Reports

- MUFs, WDCs, and PTFs
- Due within 45 days after the end of the State's fiscal year
 - Typically, November 15th
- Required by all – required in statute multiple times

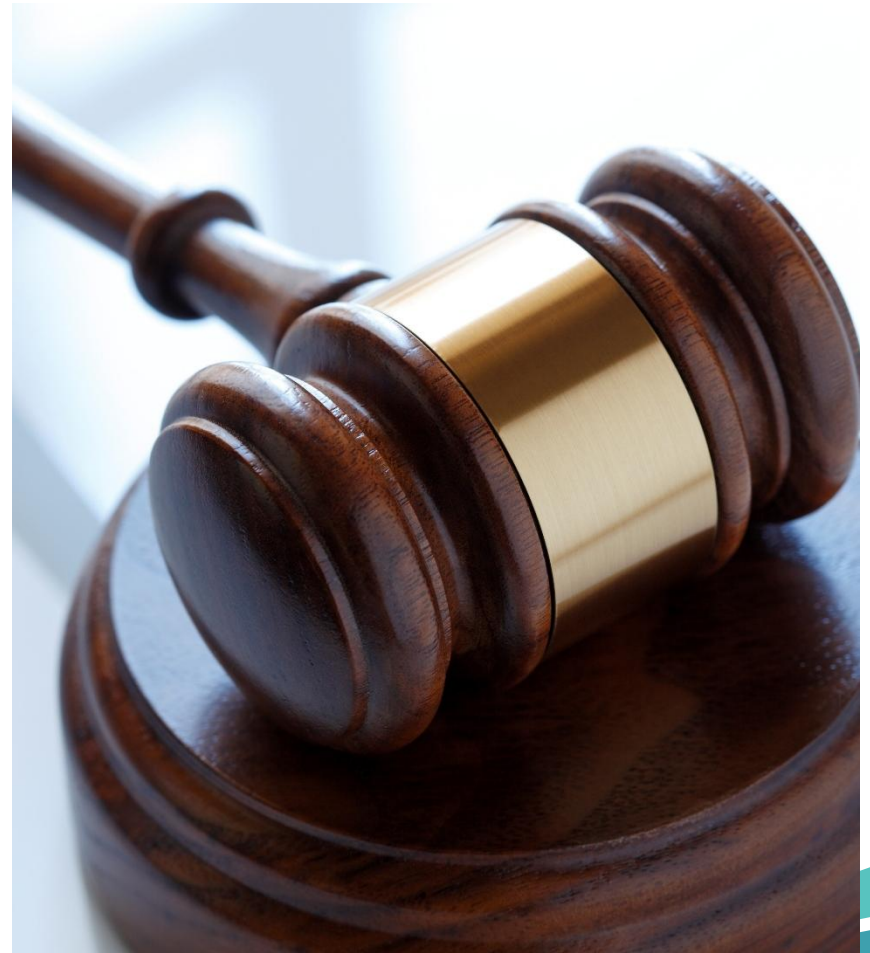


Source:

<https://www.legislature.mi.gov/Laws/MCL?objectName=mcl-451-1994-II-3-115-10>

Statutory Citation(s)

- Section 11512: Licensed PTF and Landfill annual report
- Section 11513: Notifer and Registrant PTF annual report
- Section 11521b: WDC annual report
- Section 11560: Compost annual report
- Section 11568: MUF annual report



Source:

<https://www.legislature.mi.gov/Laws/MCL?objectName=mcl-451-1994-II-3-115-2>

Quarterly Reports

- Landfills only
- Annual report would be redundant



What is Captured in a Report?

Quarterly Landfill Report

- Q1: Oct. - Dec (Previous Year) | 2026

18,965.51

56,896.53

3	MCW – Municipal and Commercial Wa... ▼	Calhoun ▼	76.16	228.48
4	MCW – Municipal and Commercial Wa... ▼	St Clair ▼	2.61	7.83
5	MCW – Municipal and Commercial Wa... ▼	Oakland ▼	199.04	597.12
6	C&D – Construction & Demolition(CD) ▼	Oakland ▼	42.96	85.92
7	C&D – Construction & Demolition(CD) ▼	Genesee ▼	30.79	61.58
8	O - Asbestos(O-A) ▼	Genesee ▼	51.66	51.66
9	MCW – Municipal and Commercial Wa... ▼	Ingham ▼	23.76	71.28
10	C&D – Construction & Demolition(CD) ▼	Ingham ▼	17.26	34.52
11	MCW – Municipal and Commercial Wa... ▼	Kent ▼	496.04	1,488.12
12	MCW – Municipal and Commercial Wa... ▼	Lenawee ▼	9.10	27.30
13	C&D – Construction & Demolition(CD) ▼	Lenawee ▼	33.76	67.52
14	MCW – Municipal and Commercial Wa... ▼	Livingston ▼	8,464.76	25,394.28

Compostable material brought to the site from October 1 of LAST YEAR to September 30 of THIS YEAR

Row	Select Material *	Select Origin *	Amount *	Units *	Tons	CYDS	Actions
1	Yard Wastes ▼	Lenawee ▼	38.23	Tons ▼	38.23	115.85	REMOVE
2	Dead animals ▼	Livingston ▼	56.94	Tons ▼	56.94	172.55	REMOVE
3	Compostable Products ▼	Macomb ▼	23.87	Tons ▼	23.87	72.33	REMOVE
4	Wood ▼	Marquette ▼	30.56	Tons ▼	30.56	92.61	REMOVE
5	Manure (farm) ▼	Oakland ▼	3,647.58	Tons ▼	3,647.58	11,053.27	REMOVE
6	Food Processing Resi... ▼	Washtenaw ▼	900.38	Tons ▼	900.38	2,728.42	REMOVE
7	Yard Wastes ▼	Wayne ▼	6,869.88	Tons ▼	6,869.88	20,817.82	REMOVE

+ ADD

Total Tons of ALL materials brought on site within the reporting period

11,567.44 Tons

PERCENTAGE OF MATERIALS REPORTED BY SECTOR:

Residential/Commercial:

85.00

[number below 100] %

Industrial:

5.00

[number below 100] %

Construction and Demolition:

5.00

[number below 100] %

Other:

5.00

[number below 100] %

Of the materials listed above, what is the period of storage? *

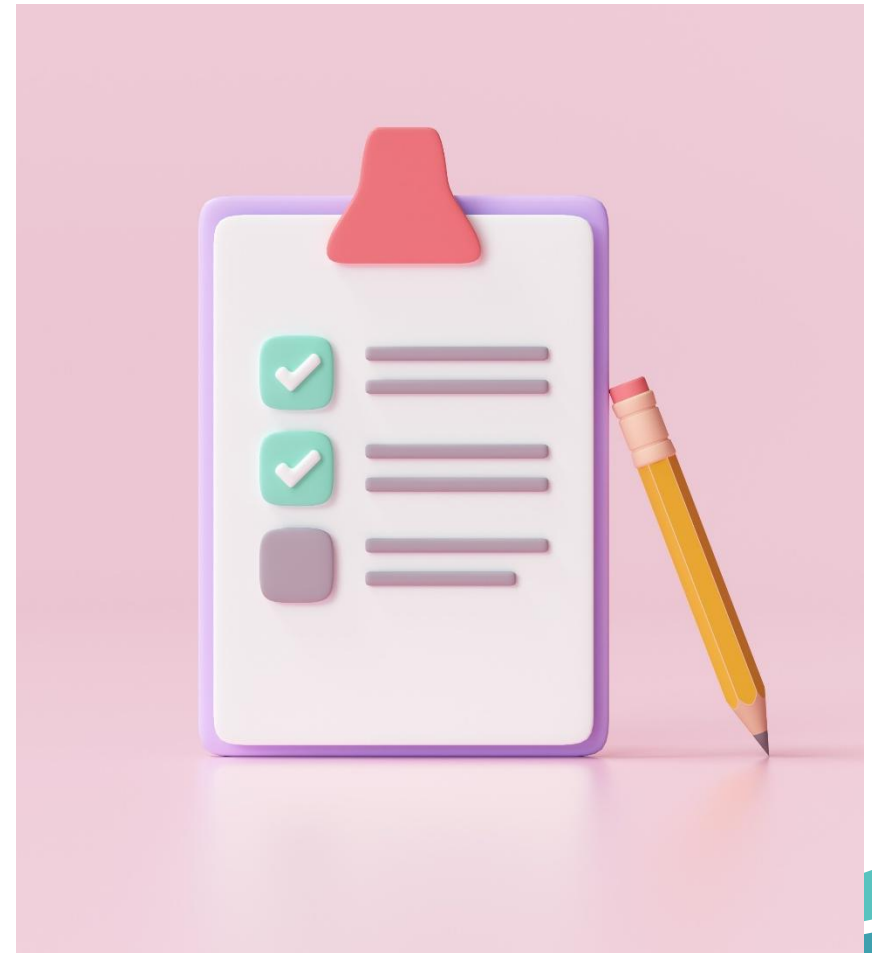
Data Verification – EGLE's Regulatory Role

- Inspection conducted to follow-up on unusual or missing data.
- Does the past year's data lead to a new authorization level?



Inspections Continued

- What is currently on the site (end of fiscal year)?
- Comprehensive review of incoming and outgoing records
- If data is skewed or missing then discussions around best practices, staffing issues, etc.



Continuous Communication

- Facilities can have up and down years
 - Possible deregulation or increased regulation
- Again, communicating with local level to provide up-to-date information
 - What the county needs to adjust or improve on
- Being that liaison from private to local or local to county



How is the Data Managed?



- Manually logged into the public facing, Waste Database System
- Data is migrated to a readable format to calculate recycling rate

Other Projects

- MI Recycling Directory
- Michigan Materials Marketplace
- Internship projects

Materials Management Planning maps and data

Use the following maps to find materials management facilities in Michigan and contact information for Materials Management Planning activities. Datasets for both maps are available to view as a table or download in a variety of formats (.csv, .shp, .kml, .GeoJSON, etc.).



Materials management facilities in Michigan

Find locations of facilities regulated under Michigan's environmental laws for hazardous waste, solid waste, scrap tires, electronics, recycling, and more



Materials Management Planning contacts

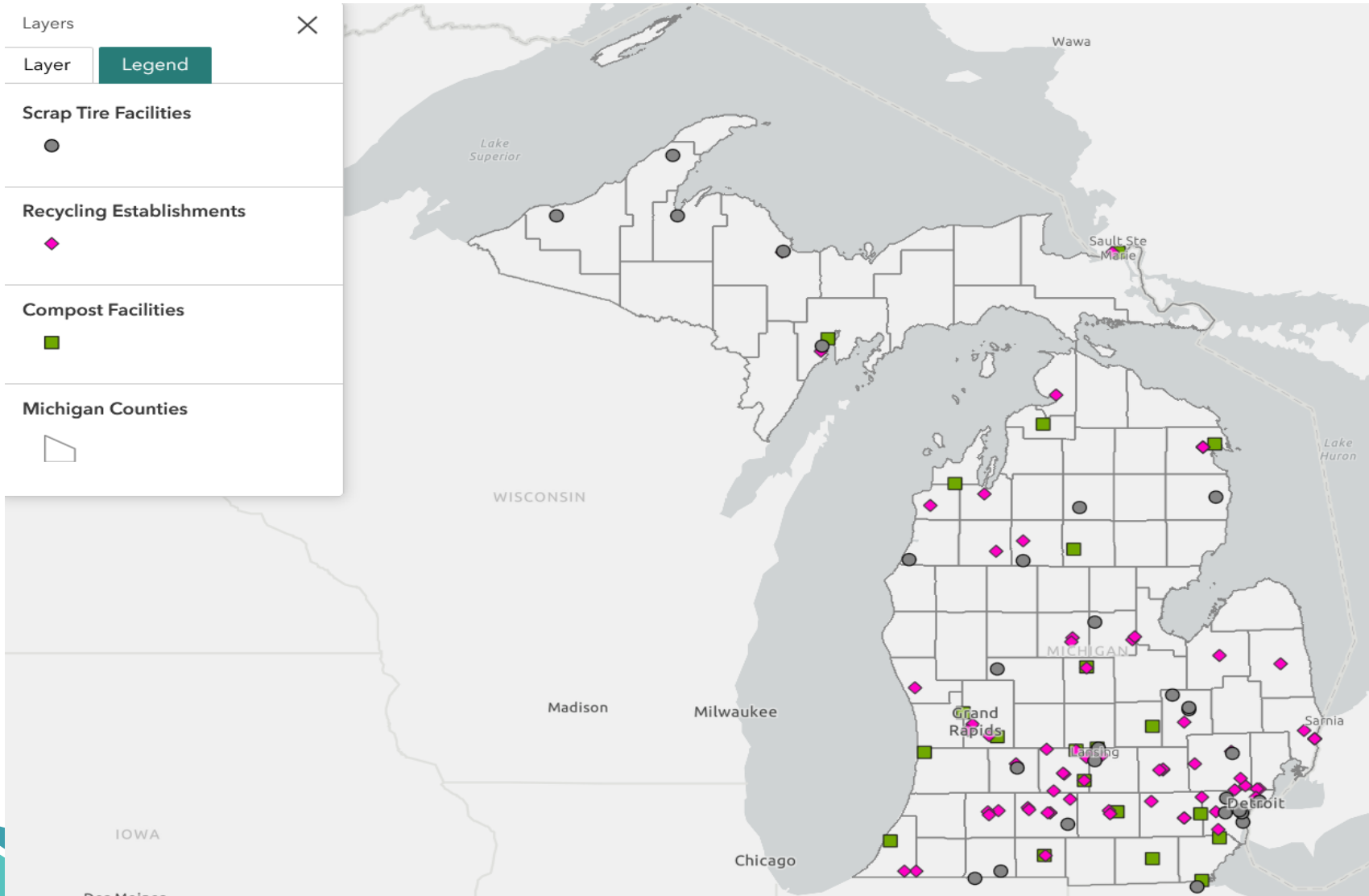
Find contact information for the Designated Planning Agency in each county, single and multi-county groups, and EGLE regional staff



Datasets

- [Locations of solid waste landfills \(Part 115\)](#)
- [Locations of hazardous waste facilities \(Part 111\)](#)
- [Locations of compost facilities](#)
- [Locations of recycling centers \(Part 175\)](#)
- [Locations of electronics recycling centers \(Part 173\)](#)
- [Locations of anaerobic digesters](#)
- [Locations of solid waste processing plants](#)
- [Locations of scrap tire collection sites and processors \(Part 169\)](#)
- [Designated Planning Agency contacts](#)
- [EGLE MMP staff](#)
- [EGLE Recycling staff](#)

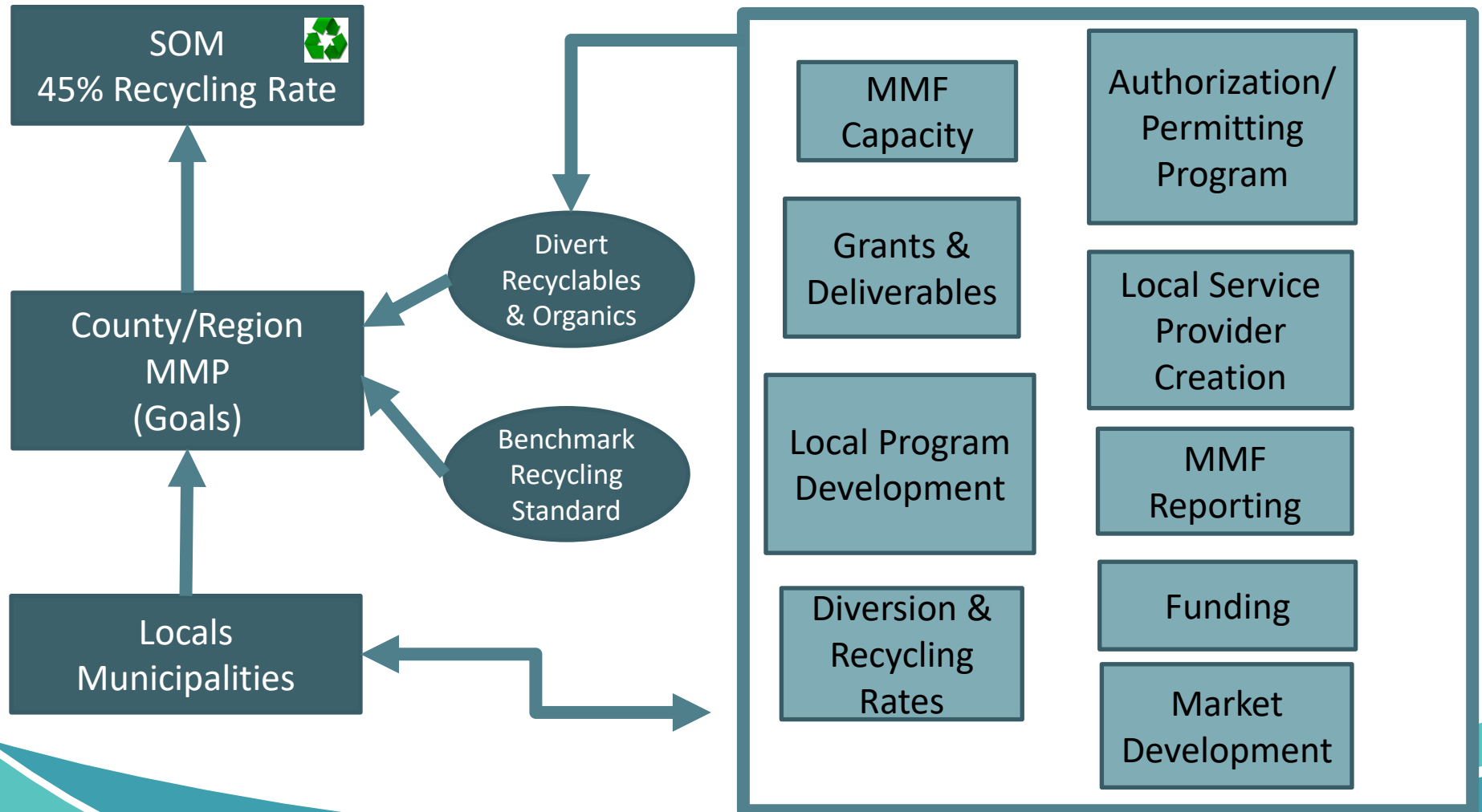
EGLE Interactive Map



Source:

<https://www.michigan.gov/egle/about/organization/materials-management/recycling>

How We're All Connected



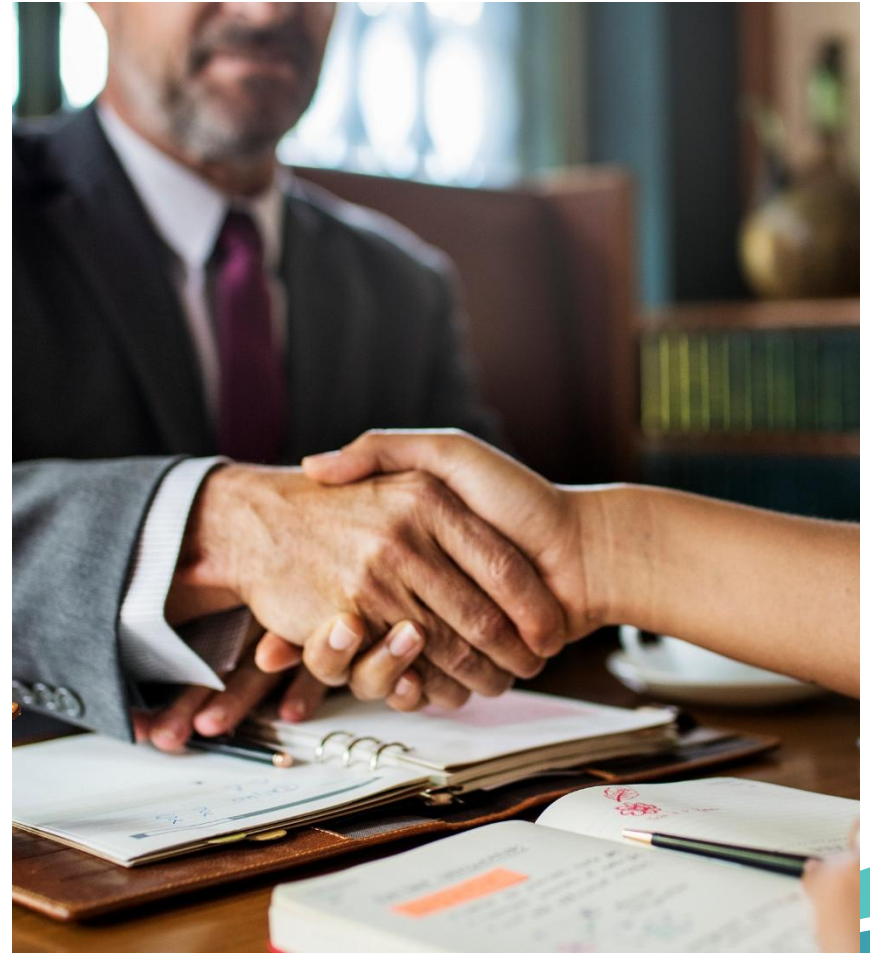


Local or County Work

- Knowing what solid waste facilities are in the area leads to the local service provider
- Calculating their own recycling rate and/or their other goals
- Determining how best to utilize funding and grants

Going Beyond Part 115

- Above and beyond BRS
- Collecting data that is from unregulated markets
 - Scrapyards, corporate recycling initiatives, schools or artists recycling, communities with compost or garden programs





EGLE Wants to Assist

- Rather it's the local, county, or private sector EGLE wants to help others achieve their end goal.
- BRS related, regulatory help, best practices, or requesting assistance from other State Departments or EGLE divisions

Questions?

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Michigan Department of Environment, Great Lakes, and Energy