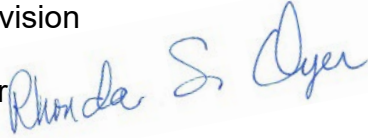


MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

INTEROFFICE COMMUNICATION

TO: Tracy Kecskemeti, Acting Director
Materials Management Division

FROM: Rhonda S. Oyer, Manager 
Solid Waste Section

DATE: November 24, 2025

SUBJECT: Calendar Year 2024 End Use Memo, Scrap Tire Estimated Usage and Capacity

The attached tables represent the best estimate of usage and capacity for existing and potential scrap tire material end-users for calendar year 2024. The information in these tables is based on current registrations issued, reported use for calendar year 2024, and staff knowledge of usage based on market contacts.

Usage of tire derived fuel (TDF) in Michigan began declining in calendar year 2024. This is largely due to amendments made by Senate Bill (SB) 271 to the Clean and Renewable Energy and Energy Waste Reduction Act (PA 295 of 2008) eliminating use of TDF in several energy producing facilities. This could result in a significant amount of scrap tires being generated that may not have a recycling option available and be landfilled in the future.

The Scrap Tire Program remains committed to the development of additional markets. Interest remains in rubber modified asphalt, rubber modified chip seal projects, and tire derived aggregate for civil engineering projects. The growth of additional markets in Michigan remains difficult to predict and will depend on the ingenuity of scrap tire processors in finding or creating new markets as well as the EGLE Scrap Tire Market Development Grants being directed toward growing the most promising emergent market sectors.

Attachments

cc: Phil Roycraft, EGLE
Gary Schwerin, EGLE
Kirsten Clemens, EGLE

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT CALENDAR YEAR 2024

REUSE/RETREAD	WDS	REPORTED USE		NOTES
		TONS	PTE*	
Empire Iron Mine (reuse) Empire Mine mining tire wind barriers	397459			No additional tires added during calendar year; 23,800 T on site.
Empire Iron Mine (reuse) Tilden Mine mining tire wind barriers	397459			No additional tires added during calendar year; 698 T on site.
Detroit Belle Isle (reuse) 1900/1940 Woodbridge Detroit, MI	482765			No additional tires added during calendar year (CY) 2021. The Grand Prix utilizes 13,700 PTE annually.
Alma Tire (retread) 1210 E Superior St Alma, MI	409073			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Conlan Tire LLC (retread) 30003 Van Born Rd Romulus, MI	494266	3,867.60	344,216	CY 2021: 68,680 SEMI TIRES CY 2022: 78,382 SEMI TIRES CY 2023: 176,896 SEMI TIRES
Dependable Tire (retread) 12300 Stephens Rd Warren, MI	418950			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Ginman Tire (retread/used) 665 W Clay Ave Muskegon, MI	497295			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
ATS Fleet Service (retread) 2085 W Hill Rd Flint, MI	470691			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Leslie Tire (retread) 144 NB Gratiot Ave Mt. Clemens, MI	470951			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Meekhof Tire (retread) 1640 Olson St NE Grand Rapids, MI	444349	1,007.62	89,678	CY 2021: DID NOT REPORT CY 2022: 13,409 SEMI TIRES CY 2023: 89,897 SEMI TIRES
Olson Tire (retread) 704 E Pickard Mt. Pleasant, MI	471242			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Pomp's Tire Service (retread) 3500 Enterprise Dr Allen Park, MI	497615	3,156.67	280,944	CY 2021: 53,806 SEMI TIRES CY 2022: 11,270 SEMI TIRES CY 2023: 43,947 SEMI TIRES
Pomp's Tire Service (retread) 815 Rice St Leslie, MI	396026			New site
Pomp's Tire Service (retread) 2505 Thornwood St SW Wyoming, MI	470773	2,212.09	196,876	CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT
Shrader Tire & Oil (retread) 25445 Outer Dr Melvindale, MI	398265	2,092.80	186,259	CY 2021: 47,368 SEMI TIRES CY 2022: 68,315 SEMI TIRES CY 2023: 67,774 SEMI TIRES
Wingfoot (Goodyear) 147 Morgan Dr Howell, MI	443291			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
Wonderland Tire (retread) 1233 Cutting Industrial Moline, MI	436529			CY 2022: DID NOT REPORT CY 2023: DID NOT REPORT CY 2024: DID NOT REPORT
TOTAL		12,336.78	1,097,973	*1 semi tire = 5 PTE; 89 PTE / T

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 202.

LANDFILL	WDS	REPORTED USE		NOTES
		TONS	PTE	
Brent Run Landfill Montrose, MI ADC	406671	0.00	0	Approved to use but not using tires.
Central Sanitary Landfill Cannonville, MI ADC	416499	445.13	39,617	CY 2021: DID NOT REPORT CY 2022: 178.00 T CY: 39.16 T
City of Midland Sanitary Landfill Midland, MI ADC	470453	0.00	0	Approved in license but has not used tires.
Dafter Sanitary Landfill Chippewa County, MI ADC	451470	0.00	0	Approved in license but has not used tires.
Delta County Landfill Escanaba, MI ADC	410730	0.00	0	CY 2021: DID NOT REPORT CY 2022: 951.00 T CY 2023: DID NOT REPORT
Granger: Wood St. & Grand Lansing, MI Leachate/Gas Collection	470523	1865.17	166,000	CY 2021: 2,584.27 T CY 2022: 617.98 T CY 2023: 2,719.00 T
K & W Landfill Ontonagon, MI ADC	408328	0.00	0	Approved in license but has not used tires
Marquette Co. Solid Waste Marquette, MI certified end-user; ADC	451188	403.77	35,936	CY 2021: 488.56 T CY 2022: 50.00 T CY 2023: 0 T
Ottawa County Farms Landfill Coopersville, MI ADC	403061	0.00	0	Approved in license but has not used tires
Peoples Landfill Inc. Birch Run, MI ADC	437908	0.00	0	Approved in license but has not used tires
Pitsch Sanitary Landfill Belding, MI Leachate/Gas Col/ADC	407345	0.00	0	Approved in license but has not reported.
Riverview Landfill Riverview, MI ADC	399054	2,645.50	235,450	CY 2021: 5,078.00 T CY 2022: 15,157.00 T CY 2023: 879.93 T
Sauk Trail Hills Canton, MI ADC	410118	0.00	0	Approved in license but has not reported.
Southeast Berrien County Buchanan, MI ADC	458632	0.00	0	CY 2021: DID NOT REPORT CY 2022: 6,128.00 T CY 2023: 0.00 T
Tri-City Recycling & Disposal Carsonville, MI	417640	0.00	0	Approved in license but has not used tires
Venice Park Recycling & Lennon, MI ADC	399185	0.00	0	Approved in license but has not used tires
Westside Recycling and Three Rivers, MI Leachate/Gas Col/ADC	406807	0.00	0	Approved in license but has not used tires
Wexford County Landfill LLC Manton, MI ADC	407336	0.00	0	CY 2021: 291.00 T CY 2022: 91.00 T CY 2023: 0.00 T
Tires sent to landfill by haulers Reported in ReTrac by Registered Haulers		39,338.80	3,501,153	CY 2021: 73,726.14 T CY 2022: 44,787.66 T CY 2023: 46,099.38
TOTAL USED REPORTED BY LANDFILLS		5,359.57	477,002	Alternative daily cover (ADC), piping protection
TOTAL LANDFILLED BY HAULERS		39,338.80	3,501,153	Tires landfilled in Michigan (CY 2024)
TOTAL LANDFILLED BY COLLECTION SITES		1,337.71	119,056	Tires landfilled in Michigan (CY 2024)
TOTAL LANDFILLED IN MICHIGAN LANDFILLS		46,036.08	4,097,211	Tires landfilled in Michigan (CY 2024)

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2024

TIRE DERIVED FUEL (TDF)	ANNUAL PERMITTED CAPACITY (TONS)	REPORTED USE		NOTES
		TONS	PTE	
Genesee Power Station WDS: 463635 *** AQD SRN: N3570 Permit No. 259-06	7,300	44.41	3,952	CY 2019 = 2,801 T CY 2020 = 4,567 T CY 2021 = 4,637 T CY 2022: 4,864 T CY 2023: 4,234 T
Grayling Generating Station WDS: 447905 AQD SRN: N2388 Permit No. 882-89E	16,425	40.09	3,568	CY 2019 = 3,986 T CY 2020 = 1,591 T CY 2021 = 5,700 T CY 2022: 4814 T CY 2023: 3,313 T
Holcim (US) Inc. WDS: 393642 AQD SRN: B1477 Permit No. 83-21	24,719	9,416.72	838,088	NEW SITE CY 2023 CY 2023: 8,959 T
L'Anse Warden Electric Co. WDS: 482982 AQD SRN: B4260 Permit No. 168-07A-B	24,000	7,162.71	637,481	CY 2019 = 2,400 T CY 2020 = 1,870 T CY 2021 = 380.57 T CY 2022 = 5,072 T CY 2023: 7,931 T
National Energy of Lincoln WDS: 436693 AQD SRN: N0890 Permit No. 290-86C	16,060	4,740.23	421,880	CY 2019 = 12, 315 T CY 2020 = 12,099 T CY 2021 = 7,706 T CY 2022 = 7,509 T CY 2023: 10,797 T
National Energy of McBain WDS: 391703 AQD SRN: N1160 Permit No. 261-86G	16,060	5,860.61	521,594	CY 2019 = 10,895 T CY 2020 = 10,945 T CY 2021 = 7,929 T CY 2022: 6,022 T CY 2023: 7,658 T
Packaging Corp. of America WDS: 393993 AQD SRN: B3692 Permit No. 209-18A	8,760	7,079.10	630,040	NEW SITE CY 2021 CY 2021 = 3,472 T CY 2022: 6,764 T CY 2023 = 7,529 T
TES Filer City Station WDS: 450616 AQD SRN: N1685 Permit No. 519-87F	35,040	404.98	36,043	CY 2019 = 5,272 T CY 2020 = 1,136 T CY 2021 = 4,791 T CY 2022: 9,148 T CY 2023: 8,292 T
TOTAL		34,748.85	3,092,646	89 PTE / TON

OUT OF STATE USERS	*self reported data	REPORTED USE CY 2024		NOTES
		TONS	PTE	
Out of State (ReTrac, reported by registered haulers)		5,886.62	523,909	Tires reported hauled out of state
TOTAL		5,886.62	523,909	

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2024

PROCESSOR REPORTING	*self reported data	REPORTED USE		NOTES
		TONS	PTE	
BSG Tire Recycling WDS: 498960		1,425	126,795	MULCH: 50.00 T AGGREGATE: 486.32 T ADC/LINER: 868.97 T STEEL/TIRE WIRE: 16.00 T USED/GRADE TIRES: 3.37 T
CM Rubber Technologies WDS: 477858		8,587.59	764,296	DRAINFIELD: 378.16 T USED/GRADE TIRES: 8187.0 T SIDEWALLS/SILAGE: 0 T TDF: 22.42 T LANDFILLED: 350.28 T
Cobalt Holding, LLC WDS: 488250		7,408.90	659,392	CRUMB: 2861.42 T MULCH: 1586.44 T STEEL/TIRE WIRE: 1176.49 T SHREDS: 1784.55 T
Environmental Rubber WDS: 427801		7,149.08	636,268	TDF: 7149.08 T
First Class Tire Shredders WDS: 471626		10,748.54	956,620	SHREDS: 10,748.54 T LANDFILLED: 816.79 T
Huffman Rubber WDS: 471063		6,979.30	621,158	USED/GRADE TIRES: 292.50 T SIDEWALLS/SILAGE: 1034.24T FEEDSTOCK/OOS: 5032.19 T AGGREGATE: 620.37 T
Larrys Tire WDS: 497570		5,201.81	462,961	USED/GRADE TIRES:1490.71 T FEEDSTOCK/OOS: 1503.43 T TDF: 460.67 T
Mensch Manufacturing WDS: 471180		84.27	7,500	PRODUCT: 84.27 T LANDFILLED: 164.64 T
Silver Lining WDS: 393268		26,360.05	2,346,044	USED/GRADE TIRES: 1036.08 T FEEDSTOCK OOS: 331.50 T TDF: 24992.47 T
TOTAL PROCESSED		73,944.20	6,581,033	INCLUDES ONLY LANDFILL ADC/LINER
TOTAL LANDFILLED BY PROCESSORS		1,337.71	119,056	

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2024				
USE COMPARISON				
TOTALS	CALENDAR YEAR 2024		CALENDAR YEAR 2023	
	TONS	PTE	TONS	PTE
LANDFILLED				
Landfill used (rept by landfills)	5,359.57	477,002		
Landfilled (rept by haulers)	39,338.80	3,501,153		
Landfilled (rept by collection site)	1,337.71	119,056	5,063.62	450,662
TOTAL	46,036.08	4,097,211	5,063.62	450,662
END USES & DIVERSION				
Retread/Bufings	12,336.00	1,097,973	21,264.83	1,892,571
Out of State	5,886.62	523,909	45,512.99	4,050,656
TDF (utilized in MI)	34,748.85	3,092,646	58,714.41	5,228,583
TDF (produced in MI)	32,624.64	2,903,593	43,008.90	3,827,792
TOTAL	85,596.11	7,618,121	168,501.13	14,996,601
MATERIAL PROCESSED REPORTED BY MICHIGAN SCRAP TIRE PROCESSORS & END USERS				
AGGREGATE/TDA	486.32	43,282	0.00	0
BUFFINGS	0.00	0	0.00	0
CIVIL ENGINEERING	0.00	0	0.00	0
CRUMB	2,861.42	254,666	2,374.51	211,331
DRAINFIELD	378.16	33,656	1,990.44	177,149
FEEDSTOCK/SHRED/OOS	6,867.12	611,174	13,453.59	1,197,370
GRANULES	0.00	0	0.00	0
LANDFILL/ADC	868.97	77,338	0.00	0
MULCH/GROUND	1,636.44	145,643	768.24	68,373
SILAGE/SIDEWALL	1,034.24	92,047	927.36	82,535
STEEL/TIRE WIRE	1,192.49	106,132	1,158.51	103,107
TDF (produced in MI)	32,624.64	2,903,593	43,009.77	3,827,870
USED/GRADE TIRES	11,009.66	979,860	3,227.39	287,238
OTHER PRODUCTS	82.47	7,340	523.00	46,547
TOTAL	59,041.93	5,254,732	67,432.81	6,001,520
	CY 2024 TON	CY 2024 PTE	CY 2023 TON	CY 2023 PTE
TOTAL USAGE	71,377.93	6,352,636	88,697.64	7,894,090

*This table represents the EGLE Scrap Tire Program best estimate of the current usage and capacity of existing and potential scrap tire material end-users for the previous calendar year. Many end users are not mandated to report tire commodity usage; therefore this table only includes information voluntarily reported to the Department. Additionally, many of the processors report the creation of a commodity that is then reported as used by an end user.

** Calendar Year Michigan Air Emission Reporting System Data is being reviewed at this time and may change.

*** Air Quality Title V Renewable Operating Permits: https://www.egle.state.mi.us/aps/downloads/rop/ROPlist/APS_ROP_Sources_by_Name.pdf

Glossary

AQD: Air Quality Division

CY: Calendar Year (January 1 through December 31)

OOS: Out of State User. Tires were generated in Michigan and taken outside the state for use/disposal.

PTE: Passenger Tire Equivalent based on 1 PTE = 22.5 lbs (Increased to 22.5 lbs in 2012 from 20 lbs)

PTI: Permit to Install. The permit required for new or modified equipment or a change in the method of operation of existing equipment which causes certain increases in emissions.

ROP = Renewable Operating Permit. Old PTIs are voided and the conditions are placed into the ROP. New PTIs are also eventually rolled into the ROP for a major source of air emissions. May also be called Title V Permit.

SRN = State Registration Number, which does not change for a site even when names or numbers change. It is the most certain way to identify correct information for a facility and is used by Air Quality Division to identify a facility.

End-user means any of the following:

- (i) A person who possesses a permit to burn tires under part 55.
- (ii) The owner or operator of a landfill that is authorized under the landfill's operating license to use scrap tires.
- (iii) A person who uses a commodity to make a product that is sold in the market.
- (iv) A person who is authorized by this part to accumulate scrap tires, who acquires scrap tires, and who converts scrap tires into a product that is sold in the market or reused in a manner authorized by this part.