

**MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT CALENDAR YEAR 2022**

REUSE/RETREAD	WDS	REPORTED USE CY 2022		NOTES
		TONS	PTE*	
Empire Iron Mine (reuse) Empire Mine mining tire wind barriers	397459	0.00	0	No additional tires added during calendar year (CY) 2022. 23,800 T on site.
Empire Iron Mine (reuse) Tilden Mine mining tire wind barriers	397459	0.00	0	CY 2021: 698 T
Detroit Belle Isle (reuse) 1900/1940 Woodbridge Detroit, MI	482765	0.00	0	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 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
BestDrive LLC (retread) 22100 Trolley Industrial Taylor, MI	411858			CY 2020: 18,570 SEMI TIRES CY 2021: 18,795 SEMI TIRES DID NOT OPERATE IN 2022
Belleroc/Tredroc (retread) 2505 Thornwood St SW Wyoming, MI	470773			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Conlan Tire LLC (retread) 30003 Van Born Rd Romulus, MI	494266	4,403.47	391,909	CY 2019: 54,646 SEMI TIRES CY 2020: 34,460 SEMI TIRES CY 2021: 68,680 SEMI TIRES
Dependable Tire (retread) 12300 Stephens Rd Warren, MI	418950			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Ginman Tire (retread/used) 665 W Clay Ave Muskegon, MI	497295			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Jerry's Tire (retread) 2085 W Hill Rd Flint, MI	470691			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Leslie Tire (retread) 144 NB Gratiot Ave Mt. Clemens, MI	470951			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Meekhof Tire (retread) 1640 Olson St NE Grand Rapids, MI	444349	753.31	67,045	CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Olson Tire (retread) 704 E Pickard Mt. Pleasant, MI	471242			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Pomp's Tire Service (retread) 3500 Enterprise Dr Allen Park, MI	497615	25.33	2,254	CY 2019: 66,729 SEMI TIRES CY 2020: 48,934 SEMI TIRES CY 2021: 53,806 SEMI TIRES
Shrader Tire & Oil (retread) 25445 Outer Dr Melvindale, MI	398265	3,837.90	341,573	CY 2019: DID NOT REPORT CY 2020: 40,653 SEMI TIRES CY 2021: 47,368 SEMI TIRES
Wingfoot (Goodyear) 147 Morgan Dr Howell, MI	443291			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Wonderland Tire (retread) 1233 Cutting Industrial Moline, MI	436529			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
<b>TOTAL</b>		<b>9,020.01</b>	<b>802,781</b>	*1 semi tire = 5 PTE; 89 PTE / T

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LANDFILL	WDS	REPORTED USE CY 2022		NOTES
		TONS	PTE	
Brent Run Landfill Montrose, MI ADC	406671			Approved to use but not using tires.
Central Sanitary Landfill Cannonsville, MI ADC	416499	178.00	15,842	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
City of Midland Sanitary Midland, MI ADC	470453			Approved in license but has not used tires.
Dafter Sanitary Landfill Chippewa County, MI ADC	451470			Approved in license but has not used tires.
Delta County Landfill Escanaba, MI ADC	410730	951.00	84,639	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Granger: Wood St. & Grand Lansing, MI Leachate/Gas Collection	470523	617.98	55,000	CY 2019: 179.79 T CY 2020: 1,078.65 T CY 2021: 2,584.27 T
K & W Landfill Ontonagon, MI ADC	408328			Approved in license but has not used tires
Marquette Co. Solid Waste Marquette, MI certified end-user; ADC	451188	50.00	4,450	CY 2019: 180.11 T CY 2020: 551.62 T CY 2021: 488.56 T
Ottawa County Farms Landfill Coopersville, MI ADC	403061			Approved in license but has not used tires
Peoples Landfill Inc. Birch Run, MI ADC	437908			Approved in license but has not used tires
Pitsch Sanitary Landfill Belding, MI Leachate/Gas Col/ADC	407345			Approved in license but has not reported.
Riverview Landfill Riverview, MI ADC	399054	15,157.00	1,348,973	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Sauk Trail Hills Canton, MI ADC	410118			Approved in license but has not reported.
Southeast Berrien County Buchanan, MI ADC	458632	6,128.00	545,392	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Tri-City Recycling & Disposal Carsonville, MI	417640			Approved in license but has not used tires
Venice Park Recycling & Lennon, MI ADC	399185			Approved in license but has not used tires
Westside Recycling and Three Rivers, MI Leachate/Gas Col/ADC	406807			Approved in license but has not used tires
Wexford County Landfill LLC Manton, MI ADC	407336	91.00	8,099	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Tires sent to landfill by haulers Reported in ReTrac by Registered Haulers		44,787.66	3,986,102	CY 2021: 73,726.14 T
<b>TOTAL USED REPORTED BY LANDFILLS</b>		<b>23,172.98</b>	<b>2,062,395</b>	Alternative daily cover (ADC), piping protection
<b>TOTAL LANDFILLED BY HAULERS</b>		<b>44,787.66</b>	<b>3,986,102</b>	Tires disposed
<b>TOTAL LANDFILLED BY COLLECTION SITES</b>		<b>67,960.64</b>	<b>6,048,497</b>	Tires disposed

<b>MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2022</b>				
<b>TIRE DERIVED FUEL (TDF)</b>	<b>ANNUAL PERMITTED CAPACITY (TONS)</b>	<b>REPORTED USE CY 2022</b>		<b>NOTES</b>
		<b>TONS</b>	<b>PTE</b>	
Genesee Power Station WDS: 463635  *** AQD SRN: N3570 Permit No. 259-06	7,300	4,863.69	432,868	CY 2017 = 5,610 T CY 2018 = 2,473 T CY 2019 = 2,801 T CY 2020 = 4,567 T CY 2021 = 4,637 T
Grayling Generating Station WDS: 447905  AQD SRN: N2388 Permit No. 882-89E	16,425	4,813.84	428,432	CY 2017 = 3,952 T CY 2018 = 2,927 T CY 2019 = 3,986 T CY 2020 = 1,591 T CY 2021 = 5,700 T
Hillman Power, Hillman WDS: 429049  AQD SRN: N1266 Permit No. 687-86G	20000; ceased operation in 2022	0.00	0	CY 2017 = 7,385 T CY 2018 = 6,873 T CY 2019 = 4,298 T CY 2020 = 0 T CY 2021 = 455 T
L'Anse Warden Electric Co. WDS: 482982  AQD SRN: B4260 Permit No. 168-07A-B		5,071.81	451,391	CY 2017 = 8,935 T CY 2018 = 4,075 T CY 2019 = 2,400 T CY 2020 = 1,870 T CY 2021 = 380.57 T
National Energy of Lincoln WDS: 436693  AQD SRN: N0890 Permit No. 290-86C	16,060	7,509.01	668,302	CY 2017 = 11,125 T CY 2018 = 11,918 T CY 2019 = 12,315 T CY 2020 = 12,099 T CY 2021 = 7,706 T
National Energy of McBain WDS: 391703  AQD SRN: N1160 Permit No. 261-86G	16,060	6,021.90	535,949	CY 2017 = 10,670 T CY 2018 = 11,886 T CY 2019 = 10,895 T CY 2020 = 10,945 T CY 2021 = 7,929 T
PCA Filer Mill WDS: 393993  AQD SRN: B3692 Permit No. 209-18A		6,764.17	602,011	NEW SITE CY 2021 CY 2021 = 3,472 T
TES Filer City Station WDS: 450616  AQD SRN: N1685 Permit No. 519-87F	35,040	9,148.00	814,172	CY 2017 = 9,737 T CY 2018 = 14,615 T CY 2019 = 5,272 T CY 2020 = 1,136 T CY 2021 = 4,791 T
Verso Escanaba WDS: 395326  AQD SRN: A0884 Permit No. 259-06		15,395.78	1,370,224	CY 2017 = 15,744 T CY 2018 = 19,483 T CY 2019 = 26,277 T CY 2020 = 20,793 T CY 2021 = 18,098 T
<b>TOTAL</b>		<b>59,588.20</b>	<b>5,303,349</b>	<b>89 PTE / TON</b>

OUT OF STATE USERS *self reported data	REPORTED USE CY 2022		NOTES
	TONS	PTE	
Out of State (ReTrac, reported by registered haulers)	44,570.01	3,966,731	Tires reported hauled out of state
<b>TOTAL</b>	<b>44,570.01</b>	<b>3,966,731</b>	

MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2022			
PROCESSOR REPORTING *self reported data	REPORTED USE CY 2022		NOTES
	TONS	PTE	
CM Rubber Technologies WDS: 477858	8,335.60	741,868	DRAINFIELD: 1,351.01 T USED/GRADE TIRES: 183.27 T SIDEWALLS/SILAGE: 100.28 T TDF: 6,631.20 T CIVIL ENG: 69.83 T
Cobalt Holding, LLC WDS: 488250	7,622.00	678,358	CRUMB: 2,500.00 T MULCH: 862.00 T STEEL/TIRE WIRE: 1,221.00 T SHREDS: 3,039.00 T (OOS)
Environmental Rubber WDS: 427801	8,489.18	755,537	TDF: 8,489.18 T
First Class Tire Shredders WDS: 471626	6,946.55	618,243	TDF: 6946.55 T
Huffman Rubber WDS: 471063	12,329.54	1,097,329	USED/GRADE TIRES: 235.00 T SIDEWALLS/SILAGE: 755.13 T FEEDSTOCK/OOS: 8,470.83 T AGGREGATE: 2,868.58 T
Larrys Tire WDS: 497570	6,902.50	614,322	USED/GRADE TIRES: 2,180.35 T SHREDS: 4,504.37 T (OOS) LANDFILL ADC: 217.78 T ADC: ALTERNATIVE DAILY COVER
Mensch Manufacturing WDS: 471180	89.80	7,992	PRODUCT: 89.80 T LANDFILLED: 237.31 T
Silver Lining WDS: 393268	25,706.62	2,287,889	USED/GRADE TIRES: 915.34 T FEEDSTOCK OOS: 253.20 T TDF: 24,538.08 T
258 Tire WDS: 496831	0.00	0	LANDFILLED: 17.90 T
<b>TOTAL PROCESSED</b>	<b>76,421.79</b>	<b>6,801,538</b>	INCLUDES ONLY LANDFILL ADC
<b>TOTAL LANDFILLED BY PROCESSORS</b>	<b>255.21</b>	<b>22,714</b>	

<b>MICHIGAN SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2022</b>				
<b>USE COMPARISON</b>				
	<b>CALENDAR YEAR 2022</b>		<b>CALENDAR YEAR 2021</b>	
<b>TOTALS</b>	<b>TONS</b>	<b>PTE</b>	<b>TONS</b>	<b>PTE</b>
<b>LANDFILLED</b>				
Landfill used (rept by landfills)	23,172.98	2,062,395	45,080.09	4,012,128
Landfilled (rept by haulers)	44,787.66	3,986,102	11,561.06	1,028,934
Landfilled (rept by processors)	255.21	22,714	44,469.77	3,957,810
<b>TOTAL</b>	<b>68,215.85</b>	<b>6,071,211</b>	<b>101,110.92</b>	<b>8,998,872</b>
<b>END USES &amp; DIVERSION</b>				
Reuse/Retread	9,020.01	802,781	11,296.21	1,005,363
Out of State	44,570.01	3,966,731	73,726.14	6,561,626
TDF (utilized in MI)	59,588.20	5,303,349	53,167.76	4,731,931
TDF (produced in MI)	46,605.01	4,147,846	48,465.37	4,313,418
TDF - Reported to AQD**	NA	NA	54,785.20	4,875,883
<b>TOTAL</b>	<b>159,783.23</b>	<b>14,220,707</b>	<b>241,440.68</b>	<b>21,488,221</b>
<b>MATERIAL PROCESSED REPORTED BY MICHIGAN SCRAP TIRE FACILITIES</b>				
AGGREGATE/TDA	2,868.58	255,304	1,429.40	127,217
BUFFINGS	0.00	0	0.00	0
CIVIL ENGINEERING	69.83	6,215	69.83	6,215
CRUMB	2,500.00	222,500	5,137.41	457,229
DRAINFIELD	1,351.01	120,240	1,351.01	120,240
FEEDSTOCK/SHRED/OOS	16,014.20	1,425,264	13,489.13	1,200,533
GRANULES	0.00	0	0.00	0
LANDFILL/ADC	217.78	19,382	8,900.20	792,118
MULCH/GROUND	862.00	76,718	1,392.77	123,957
SILAGE/SIDEWALL	855.41	76,131	992.11	88,298
STEEL/TIRE WIRE	1,221.00	108,669	1,774.24	157,907
TDF (produced in MI)	46,605.01	4,147,846	48,465.37	4,313,418
USED/GRADE TIRES	3,513.96	312,742	2,879.02	256,233
OTHER PRODUCTS	89.80	7,992	262.25	23,340
<b>TOTAL</b>	<b>76,168.58</b>	<b>6,779,004</b>	<b>86,142.74</b>	<b>7,666,704</b>
	<b>CY 2022 TON</b>	<b>CY 2022 PTE</b>	<b>CY 2021 TON</b>	<b>CY 2021 PTE</b>
<b>TOTAL USAGE</b>	<b>76,168.58</b>	<b>6,779,004</b>	<b>86,142.74</b>	<b>7,666,704</b>

\*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\\_Sourc](https://www.egle.state.mi.us/aps/downloads/rop/ROPlist/APS_ROP_Sourc)

## 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.