

MICHIGAN EGLE SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2021				
REUSE/RETREAD	WDS	REPORTED USE CY 2021		NOTES
		TONS	PTE*	
Empire Iron Mine (reuse) <i>Empire Mine mining tire wind barriers</i>	397459			No additional tires added during calendar year (CY) 2021. 23,800 T on site.
Empire Iron Mine (reuse) <i>Tilden Mine mining tire wind barriers</i>	397459	698.00	62,122	698 Tons added during CY 2021.
Detroit Belle Isle (reuse) <i>1900/1940 Woodbridge Detroit, MI</i>	482765			No additional tires added during calendar year (CY) 2021. The Grand Prix utilizes 13,700 PTE annually.
Alma Tire (retread) <i>1210 E Superior St Alma, MI</i>	409073			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Belle Tire/Tredroc (retread) <i>3500 Enterprise Dr Allen Park, MI</i>	497615	3,022.82	269,031	CY 2019: 66,729 SEMI TIRES CY 2020: 48,934 SEMI TIRES CY 2021: 53,806 SEMI TIRES
BestDrive LLC (retread) <i>22100 Trolley Industrial Taylor, MI</i>	411858	1055.89	93,974	CY 2019: DID NOT REPORT CY 2020: 18,570 SEMI TIRES CY 2021: 18,795 SEMI TIRES
Belleroc/Tredroc (retread) <i>2505 Thornwood St SW Wyoming, MI</i>	470773			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Conlan Tire LLC (retread) <i>30003 Van Born Rd Romulus, MI</i>	494266	3,858.40	343,398	CY 2019: 54,646 SEMI TIRES CY 2020: 34,460 SEMI TIRES CY 2021: 68,680 SEMI TIRES
Dependable Tire (retread) <i>12300 Stephens Rd Warren, MI</i>	418950			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Ginman Tire (retread/used) <i>665 W Clay Ave Muskegon, MI</i>	497295			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Jerry's Tire (retread) <i>2085 W Hill Rd Flint, MI</i>	470691			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Leslie Tire (retread) <i>144 NB Gratiot Ave Mt. Clemens, MI</i>	470951			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Meekhof Tire (retread) <i>1640 Olson St NE Grand Rapids, MI</i>	444349			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Olson Tire (retread) <i>704 E Pickard Mt. Pleasant, MI</i>	471242			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Shrader Tire & Oil (retread) <i>25445 Outer Dr Melvindale, MI</i>	398265	2,661.10	236,838	CY 2019: DID NOT REPORT CY 2020: 40,653 SEMI TIRES CY 2021: 47,368 SEMI TIRES
Wingfoot (Goodyear) <i>147 Morgan Dr Howell, MI</i>	443291			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
Wonderland Tire (retread) <i>1233 Cutting Industrial Moline, MI</i>	436529			CY 2019: DID NOT REPORT CY 2020: DID NOT REPORT CY 2021: DID NOT REPORT
TOTAL		11,296.21	1,005,363	*1 semi tire = 5 PTE; 89 PTE / T

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LANDFILL	WDS	REPORTED USE CY 2021		NOTES
		TONS	PTE	
Brent Run Landfill Montrose, MI ADC	406671			Approved to use but not using tires.
Central Sanitary Landfill Cannonsville, MI ADC	416499	5395.00	480,155	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
City of Midland Sanitary Landfill 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.
Granger: Wood St. & Grand River Lansing, MI Leachate/Gas Collection	470523	2584.27	230,000	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 Mgmt. Marquette, MI certified end-user; ADC	451188	488.56	43,482	CY 2018: 290.36 T CY 2019: 180.11 T CY 2020: 551.62 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 Collection/ADC	407345			Approved in license
Riverview Landfill Riverview, MI ADC	399054	20,246.00	1,801,894	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Sauk Trail Hills Canton, MI ADC	410118			Approved in license
Southeast Berrien County Landfill Buchanan, MI ADC	458632	5,078.00	451,942	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 & Disposal Lennon, MI ADC	399185			Approved in license but has not used tires
Westside Recycling and Disposal Three Rivers, MI Leachate/Gas Collection/ADC	406807			Approved in license but has not used tires
Wexford County Landfill LLC Manton, MI ADC	407336	291.00	25,899	Alternative daily cover (ADC), piping protection. Data reported through Part 115 ReTrac.
Tires sent to landfill by haulers Reported in ReTrac by Registered Haulers		10,997.26	978,756	
TOTAL USED REPORTED BY LANDFILLS		45,080.09	4,012,128	<i>Alternative daily cover (ADC), piping protection</i>
TOTAL LANDFILLED BY HAULERS		11,561.06	1,028,934	<i>Tires disposed</i>
TOTAL LANDFILLED BY COLLECTION SITES		44,469.77	3,957,810	<i>Tires disposed</i>

MICHIGAN EGLE SCRAP TIRE PROGRAM ANNUAL REPORT FOR CALENDAR YEAR 2021				
TIRE DERIVED FUEL (TDF)	ANNUAL PERMITTED CAPACITY (TONS)	REPORTED USE CY 2021		NOTES
		TONS	PTE	
Genesee Power Station WDS: 463635 SRN: N3570 Title V Air Permit Permit No. 259-06	7,300	4,637.21	412,712	CY 2016 = 3,286 T CY 2017 = 5,610 T CY 2018 = 2,473 T CY 2019 = 2,801 T CY 2020 = 4,467 T
Grayling Generating Station WDS: 447905 SRN: N2388 Title V Air Permit Permit No. 882-89E	16,425	5,700.00	507,300	CY 2016 = 3,299 T CY 2017 = 3,952 T CY 2018 = 2,927 T CY 2019 = 3,986 T CY 2020 = 1,591 T
Hillman Power, Hillman WDS: 429049 SRN: N1266 Title V Air Permit Permit No. 687-86G	20,000	454.52	40,452	CY 2016 = 9,126 T CY 2017 = 7,385 T CY 2018 = 6,873 T CY 2019 = 4,298 T CY 2020 = 0 T
L'Anse Warden Electric Co. WDS: 482982 SRN: B4260 Title V Air Permit Permit No. 168-07A-B		380.57	33,871	CY 2016 = 7,386 T CY 2017 = 8,935 T CY 2018 = 4,075 T CY 2019 = 2,400 T CY 2020 = 1,870 T
PCA Filer Mill WDS: 393993 SRN: B3692 Title V Air Permit Permit No. 209-18A		3,472.45	309,048	NEW SITE CY2021
TES Filer City Station WDS: 450616 SRN: N1685 Title V Air Permit Permit No. 519-87F	35,040	4,790.60	426,363	CY 2016 = 19,391 T CY 2017 = 9,737 T CY 2018 = 14,615 T CY 2019 = 5,272 T CY 2020 = 1,136 T
Verso Escanaba WDS: 395326 SRN: A0884 Title V Air Permit Permit No. 259-06		18,097.72	1,610,697	CY 2016 = 17,420 T CY 2017 = 15,744 T CY 2018 = 19,483 T CY 2019 = 26,277 T CY 2020 = 20,793 T
Viking Energy, Lincoln WDS: 436693 SRN: N0890 Title V Air Permit Permit No. 290-86C	16,060	7,705.69	685,806	CY 2016 = 11,524 T CY 2017 = 11,125 T CY 2018 = 11,918 T CY 2019 = 12,315 T CY 2020 = 12,099 T
Viking Energy, McBain WDS: 391703 SRN: N1160 Title V Air Permit Permit No. 261-86G	16,060	7,929.00	705,681	CY 2016 = 11,989 T CY 2017 = 10,670 T CY 2018 = 11,886 T CY 2019 = 10,895 T CY 2020 = 10,945 T
TOTAL		53,167.76	4,731,931	89 PTE / TON

OUT OF STATE USERS	*self reported data	REPORTED USE CY 2021		NOTES
		TONS	PTE	
Out of State (ReTrac, reported by registered haulers)		73,726.14	6,561,626	Tires reported hauled out of state
TOTAL		73,726.14	6,561,626	

PROCESSOR REPORTING	*self reported data	REPORTED USE CY 2021		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		8,535.03	759,618	CRUMB: 2,385.22 T MULCH: 1,392.77 T STEEL/TIRE WIRE: 1,275.24 T SHREDS: 3,481.80 T (OOS)
Deerpath Recyclers WDS: 479633		5,379.00	478,731	CRUMB: 2,752.19 T STEEL/TIRE WIRE: 499.00 T USED/GRADE TIRES: 69.00 T MULCH/ADC: 2,058.81 T
Environmental Rubber WDS: 427801		11,442.00	1,018,338	TDF: 11,442.00 T
First Class Tire Shredders WDS: 471626		7,946.09	707,202	TDF: 7,390.19 T USED/GRADE TIRES: 4.13 T LANDFILLED: 550.32 T
Great American Environmental Services WDS: 447424		1,151.10	102,448	LANDFILLED: 1151.10 T landfilled at Niagra GAD is no longer taking tires
Huffman Rubber WDS: 471063		8,191.35	729,030	USED/GRADE TIRES: 150.00 T SIDEWALLS/SILAGE: 891.83 T FEEDSTOCK/OOS: 5,720.12 T AGGREGATE: 1,429.40 T
Larrys Tire WDS: 497570		6,764.42	602,033	USED/GRADE TIRES: 1,573.65 T SHREDS: 3,843.00 T (OOS) LANDFILLED: 1,365.81 T
Linwood Tire Recycling LLC WDS: 492171		3,568.59	317,605	OOS COMMODITY: 191.01 T LANDFILLED: 3,377.58 T
Mensch Manufacturing WDS: 471180		262.25	23,340	PRODUCT: 262.25 T LANDFILLED: 85.72 T
Silver Lining WDS: 393268		24,154.15	2,149,719	USED/GRADE TIRES: 898.97 T FEEDSTOCK OOS: 253.20 T TDF: 23,001.98 T LANDFILLED: 0 T
258 Tire WDS: 496831		310.86	27,667	LANDFILLED: 310.86 T
TOTAL PROCESSED		86,040.44	7,657,599	
TOTAL LANDFILLED BY PROCESSORS		8,900.20	792,118	ADC: ALTERNATIVE DAILY COVER

USE COMPARISON				
TOTALS	CALENDAR YEAR 2021		CALENDAR YEAR 2020	
	TONS	PTE	TONS	PTE
LANDFILLED				
Landfill (rept by landfills)	45,080.09	4,012,128	1,630.27	194,188
Landfill (rept by haulers)	11,561.06	1,028,934		
Landfill (rept by coll sites)	44,469.77	3,957,810		
TOTAL	101,110.92	8,998,872	1,630.27	194,188
END USES & DIVERSION				
Reuse/Retread	11,296.21	1,005,363	8,012.24	713,090
Out of State	73,726.14	6,561,626	38,083.72	3,389,451
TDF (utilized in MI)	53,167.76	4,731,931	53,001.00	4,717,089
TDF (produced in MI)	48,465.37	4,313,418	31,520.68	2,805,341.00
TDF - Reported to AQD**	54,785.20	4,875,883	52,249.50	4,650,206
TOTAL	241,440.68	21,488,221	99,096.96	8,819,629
MATERIAL PROCESSED REPORTED BY SCRAP TIRE FACILITIES				
AGGREGATE/TDA	1,429.40	127,217	265.39	23,620.00
BUFFINGS	0.00	0	0.00	0.00
CIVIL ENGINEERING	69.83	6,215		
CRUMB	5,137.41	457,229	3,851.21	342,758.00
DRAINFIELD	1,351.01	120,240	1,067.00	94,963.00
FEEDSTOCK/SHRED/OOS	13,489.13	1,200,533	14,073.39	1,252,532.00
GRANULES	0.00	0	0.00	0.00
LANDFILL/ADC	8,900.20	792,118	23,638.60	2,103,835.00
MULCH/GROUND COVER	1,392.77	123,957	1,214.67	108,106.00
SILAGE/SIDEWALL	992.11	88,298	2,315.00	206,035.00
STEEL/TIRE WIRE	1,774.24	157,907	1,317.16	117,227.00
TDF (produced in MI)	48,465.37	4,313,418	31,520.68	2,805,341.00
USED/GRADE TIRES	2,879.02	256,233	3,210.73	285,755.00
OTHER PRODUCTS	262.25	23,340	164.49	14,640.00
TOTAL	86,142.74	7,666,704	82,638.32	7,354,810
	CY 2021 TON	CY 2021 PTE	CY 2020 TON	CY 2020 PTE
TOTAL USAGE	428,694.34	38,153,796	183,365.55	16,368,629

*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. 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.

** CY 2021 Michigan Air Emission Reporting System Data is being reviewed at this time and may change.

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. SRN are used by Air Quality Division as identifiers.

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.