



Scrap Tire Advisory Committee Meeting 10/22/2019 Minutes

Attendees: See attached.

Introductions & Updates:

- Introductions

Guest Speaker:

- Bill Hall & Chris Theriot, Resource Recycling Systems (RRS)
 - RRS is working on Scrap Tire Market Development Study for Scrap Tire Program under a Market Development Grant
 - S-W-O-T analysis (Strengths, Weaknesses, Opportunities, Threats)

Topics:

- TDF:
 - Hillman Power shutdown on 10/05/2019, 3-year contract includes dismantling
 - Lincoln and McBain have 8-year contract
 - Genesee Power was offline for 7 to 8 months
 - Statewide energy assessment was commissioned by the Governor's office, TDF and biomass got a footnote in the report.
<https://mi-psc.force.com/sfc/servlet.shepherd/version/download/068t0000005XrEbAAK>
 - Currently energy policy reform is on 8-year cycle
 - 3.5 million tires last year were burned by six plants
- Scrap tire usage in road and other construction projects (drainage and paving)
 - Per Brian Chomas, MDOT – case they have reviewed that utilized dry mix has not worked well
 - There is a need to segregate projects – failures and successes and review on a case-by-case basis
 - STAC members in room voiced concerns about MDOT requirements for 20 mesh in Michigan while projects in other states (including Illinois Tollway) utilize 30 mesh. The requirement for 20 mesh drives costs up, so the material is frequently not utilized.
 - MDOT - Marshall mixes still can be utilized for local roads; superpave for state highways
 - MDOT has been constructing rain gardens.
 - Scrap tire program has received no grant applications for rain gardens.
 - Use of scrap tires in rubberized asphalt or TDA would help potential loss of TDF markets
 - Paving projects must be properly engineered – or may fail because the project was poorly designed (failure not due to the material)
 - Ingham County Road Commission currently working with MDOT on project not funded by scrap tire grant
 - Get TDA in Michigan septic code and LARA building codes. Good R-value insulation for geothermal and for basement backfill.
- Enforcement cases:
 - Three successful bond call-ins for hauler bond (\$10,000)
 - One pending hauler bond call in

- One pending collection site bond call in
- Mosquito control is important with resurgence of Eastern Equine Encephalitis and West Nile
- Several instances about large numbers of tires being abandoned in storage units – working with the Self-Storage Association of Michigan to put an article in their outreach (article language attached)
- Agricultural tires are not covered by Part 169
 - Expensive and difficult to process – even with a shear, may take 45 minutes to cut one
 - Many dairy farms are going under which is causing silage tarp tires (whole or sidewalls) are coming back into the market, requests for grant funding to them up.
 - 16901(1)(n) allows 3000 scrap tires to be used to store feed, over that number would need to register as collection site
 - Potential future outreach area to MDARD / DHHS

Grant Updates:

- 2020 Clean-up
 - 77 applications requesting funding of \$1,277,351
 - Looking at potential for setting up lien re-payment process for private grantees that have tires post-1991
- Lake Superior tire cleanup working with the grantee (Lake Superior Watershed Group)
 - [EGLE Drone footage from Ontonagon](#)
 - Superior Watershed Partnership is grantee
 - Wetland permit received with over 70 property owner approvals for work over 1.5 miles of Lake Superior shoreline
 - Project has been completed – removal of over 100 oversized mining tires.
 - Difficult project due to Lake Superior water level being up in excess of 16 inches.
- 2019 Clean-up (as of 10/24/19):
 - 65 grantees
 - \$596,097.74 spent
 - 323,010 PTE (passenger tire equivalents)
 - Incomplete transportation records resulted in violation notices. Grantees, haulers and processors have been asked to make sure paperwork is complete prior to requesting payment. EGLE cannot pay when presented with incomplete transportation records.
- Market Development
 - 11/01/19 is Market Development and Law Enforcement grant application deadline
 - LaFarge has expressed interest in taking tires, no permit applications or grant applications have been received at this time
 - [2019 Market Development grants](#)
 - Entech
 - Cobalt
 - City of Mackinac Island
 - Marquette County Solid Waste Management Authority
 - Kent County Road Commission
 - Working on outreach document about Midland County Road Commission project
 - Scrap Tire Market Development study RFP being completed by RRS
- Law Enforcement grant with City of Detroit Police Department has been executed
 - STAC attendees showed interest in law enforcement training to be done in other areas of the state using information gained from Detroit PD grant - suggested Michigan Sheriffs Association, Michigan Townships Association, Michigan Counties Association

- Detroit PD is taking zero tolerance stance and issuing warrants
- Unknown at this time how many tires will need to be cleaned up

Miscellaneous Topics:

- Conferences:
 - [8th Scrap Tire Recycling Conference](#): December 4 – 5, 2019 (Greenville, SC)
 - [2020 California Tire Conference](#): March 18 – 19, 2020 (Sacramento, CA)
- Websites:
 - [TRIB – Tire Retread & Repair Information Bureau](#)
- Storage Unit Issues: Contractual language needed – potential to work with trade organization/association – draft article to be sent to the Self-Storage Association of Michigan

Next Meetings:

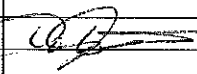
- **FEBRUARY 25, 2020 – or April??? Possible topic – markets – deeper market dive (Sean Hammond)**

STAC SWOT Analysis – 10-22-19

<p><u>Strengths (vis-a-vis other states and/or EGLE objectives)</u></p> <ul style="list-style-type: none"> • Remediation – steady progress since 1991 • Overall scrap tire management process • Fundamental knowledge (“we know the material”) • EGLE outreach beyond Michigan • Good effective use of the funds • Strong foundational base of in-state processors 	<p><u>Weaknesses</u></p> <ul style="list-style-type: none"> • Michigan’s ability to adapt to market changes • Michigan promoting new markets • Auto OEM and supplier involvement in research and funding to support scrap tire markets • Lack of collaboration among agencies, private sector, and states • Education and knowledge among varied stakeholders (laws and rules, costs, markets) • MDOT is “cash-strapped,” risk-averse • Processors very reliant on tipping fees (which are determined by market) • Tire retailers and producers are “absent” • Collecting and hauling is logistically challenged “north of the knuckles”
<p><u>Opportunities (favorable trends)</u></p> <ul style="list-style-type: none"> • Priorities with Whitmer administration (e.g. environmental and “fix-the-roads”) • Home base for automotive OEMs and suppliers (e.g. to promote use of molding and micronized rubber) • Pyrolysis (for producing rCB) getting closer to commercial viability • Market solutions outside of the state • RMA can save money vs. traditional asphalt (dry mix, balanced mix) • Get TDA into the code • Climate change actions (if such efforts as fossil fuel reductions and deforestation campaigns cause greater emphasis on rCB and rubber reuse) 	<p><u>Threats (unfavorable trends)</u></p> <ul style="list-style-type: none"> • Recycling priorities more focused elsewhere, such as for plastics • Polymer “colony” is has greater influence on asphalt market • MDOT priorities are not directed toward developing scrap tire markets (although if RMA cost-benefits are real, then mutual EGLE/MDOT benefits can be realized) • A decline in tipping fees prior to market transformation would create processor hardship • Lack of time – trends away from TDF have been apparent for many years, but alternative markets in Michigan are still behind • Climate change actions (if it compels TDF decline before new scrap tire markets can be developed)



**SCRAP TIRE PROGRAM
STAC MEETING SIGN IN SHEET**

	NAME	AFFILIATION	NOTES	CONTACT INFO UPDATES
<input type="checkbox"/>	DON ADAMS	VIKING McBAIN	APPOINTED	
<input type="checkbox"/>	STEVE BAIRD	MICHIGAN TIRE, INC.	APPOINTED	
<input type="checkbox"/>	JOHN BECSEY	ASPHALT PAVEMENT ASSOC. OF MICH.	APPOINTED	
<input type="checkbox"/>	MICHAEL BLUMENTHAL	RUBBER MANUFACTURERS ASSOC.	APPOINTED	
<input type="checkbox"/>	RICK BROWN	TES FILER CITY STATION	APPOINTED	
<input type="checkbox"/>	PETER CAPON	RIETH-RILEY	APPOINTED	
<input type="checkbox"/>	JORDAN SINES	RIETH-RILEY	GUEST	
<input checked="" type="checkbox"/>	JAMES CLIFF	MICHIGAN ENVIRONMENTAL COUNCIL	APPOINTED	Sean Hamman - James now @ EGLE
<input type="checkbox"/>	STEVE CURRIE	MICHIGAN ASSOCIATION OF COUNTIES	APPOINTED	
<input checked="" type="checkbox"/>	MIKE DEMSKI	DEERPATH RECYCLERS	APPOINTED	
<input checked="" type="checkbox"/>	LAVON DETWEILER	ENTECH	APPOINTED	
<input checked="" type="checkbox"/>	BUD DINGUS	ENVIRONMENTAL RUBBER	APPOINTED	
<input type="checkbox"/>	AMY DRUMM	MICHIGAN RETAILERS ASSOCIATION	APPOINTED	
<input type="checkbox"/>	LARRY FISHER	AMERICAN RECYCLING CENTER INC	APPOINTED	
<input type="checkbox"/>	TOM FRAZIER	MICHIGAN TOWNSHIPS ASSOCIATION	APPOINTED	
<input type="checkbox"/>	NEAL FREY	ENTECH	APPOINTED	
<input type="checkbox"/>	BILL HALEN	MICHIGAN RETAILERS ASSOCIATION	APPOINTED	
<input type="checkbox"/>	SAMANTHA HARKINS	MICHIGAN MUNICIPAL LEAGUE	APPOINTED	
<input type="checkbox"/>	ALAN HUFFMAN	HUFFMAN RUBBER	APPOINTED	
<input checked="" type="checkbox"/>	DONNA KNOWLTON	COBALT	APPOINTED	
<input checked="" type="checkbox"/>	GARY MELOW	MICHIGAN BIOMASS	APPOINTED	
<input type="checkbox"/>	MARK MEYER	SHRADER TIRE & OIL	APPOINTED	
<input type="checkbox"/>	ROBERTY MEYER, JR	MEYER CONSTRUCTION	APPOINTED	
<input type="checkbox"/>	CHUCK MILLS	ASPHALT PAVEMENT ASSOC. OF MICH.	APPOINTED	
<input checked="" type="checkbox"/>	DAN MULLINS	CM RUBBER	APPOINTED	
<input checked="" type="checkbox"/>	REBECCA MULLINS	CM RUBBER	APPOINTED	
<input type="checkbox"/>	TIMOTHY OLSON	OLSON TIRE SERVICE	APPOINTED	
<input type="checkbox"/>	CHRIS PHILLIPS	MICHIGAN WASTE INDUSTRIES ASSOC.	APPOINTED	
<input checked="" type="checkbox"/>	BRIAN RADKTE	SILVER LINING	APPOINTED	
<input type="checkbox"/>	CRYSTAL ROGERS	CITY OF DETROIT	APPOINTED	
<input type="checkbox"/>	WAYNE SHOTWELL	BELLE TIRE	APPOINTED	
<input type="checkbox"/>	JOSEPH SHRADER	SHRADER TIRE & OIL	APPOINTED	
<input type="checkbox"/>	RANDY WHIPPLE	RANDY'S AUTO SALVAGE	APPOINTED	
<input type="checkbox"/>	JOHN BARAK	MDOT	APPOINTED	
<input type="checkbox"/>	JANICE WILFORD	MDARD	APPOINTED	
<input type="checkbox"/>	ALLEN KRIZEK	MDARD	APPOINTED	
<input type="checkbox"/>	ADA TAKAS	DNR	APPOINTED	
<input type="checkbox"/>	LORI BURFORD	DNR	APPOINTED	
<input type="checkbox"/>	KEN CERNY	DNR-EIS	APPOINTED	excused
<input type="checkbox"/>	ELIZABETH BROWNE	EGLE-MMD	STAFF	
<input type="checkbox"/>	RHONDA OYER	EGLE-MMD	STAFF	excused
<input checked="" type="checkbox"/>	JEFF SPENCER	EGLE-MMD	STAFF	
<input type="checkbox"/>	LORI BABCOCK	EGLE-MMD	STAFF	excused
<input type="checkbox"/>	JENNY BENNETT	EGLE-MMD	STAFF	excused
<input checked="" type="checkbox"/>	KIRSTEN CLEMENS	EGLE-MMD	STAFF	
<input type="checkbox"/>	BRETT COULTER	EGLE-MMD	STAFF	
<input type="checkbox"/>	JILL COULTER	EGLE-MMD	STAFF	
<input checked="" type="checkbox"/>	KRISTA HETTICH	EGLE-MMD	STAFF	
<input type="checkbox"/>	WENDY LUKIANOFF	EGLE-MMD	STAFF	phone
<input type="checkbox"/>	MARY ANN ST ANTOINE	EGLE-MMD	STAFF	
<input type="checkbox"/>	ANN VOGEN	EGLE-MMD	STAFF	phone
<input checked="" type="checkbox"/>	JON VRUGGINK	EGLE-MMD	STAFF	
<input checked="" type="checkbox"/>	BILL HALL	RRS	GUEST	
<input checked="" type="checkbox"/>	CHRIS THERIOT	RRS	GUEST	

From: [Clemens, Kirsten \(EGLE\)](#)
To: [Darren Ing](#)
Subject: RE: SSAM FACEBOOK Official
Date: Thursday, October 24, 2019 4:09:52 PM
Attachments: [image007.png](#)
[Storage unit 1.JPG](#)
[image009.png](#)
[image013.png](#)
[image015.png](#)
[image017.png](#)
[image018.png](#)

Good afternoon –

Here is the draft article – please note that I'm attaching pictures and can send the picture of the contract in a different format. Not sure how your newsletter is formatted. Please forward me a copy once it goes out? That way our staff will know that calls may be coming in.

Other items EGLE Materials Management Division may be able to provide SSAM members assistance with (maybe additional articles on these topics?):

- Medical Waste
- Hazardous Waste and Liquid Industrial By-Products
- Solid Waste

Thank you -kc

Scrap Tires in Storage Units

If you own a self-storage unit and the renter of the unit stores scrap tires in the unit, you may be subject to Part 169, the Scrap Tire Statue. Part 169 is administered by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

What's the problem with a renter having scrap tires in a storage unit?

Scrap tires stored improperly may become fire hazards or hold water and become mosquito breeding sites. Scrap tires are expensive and difficult to dispose of – what if scrap tires are abandoned at your business for you to dispose of?

Sites with large numbers of scrap tires are regulated as collection sites under Part 169.

The definition of Collection Site from Part 169, 324.16901(1)(d): "*Collection site*" means, subject to subdivision (e), a site consisting of a parcel or adjacent parcels of real property where any of the following are accumulated:

- 500 or more scrap tires. This subparagraph does not apply if that property is owned or leased by and associated with the operations of a retailer or automotive recycler or a commercial contractor as described in subparagraph (iv).*
- 1,500 or more scrap tires if that property is owned or leased by and associated with the operations of a retailer that is not also an automotive recycler.*
- 2,500 or more scrap tires if that property is owned or leased by and associated*

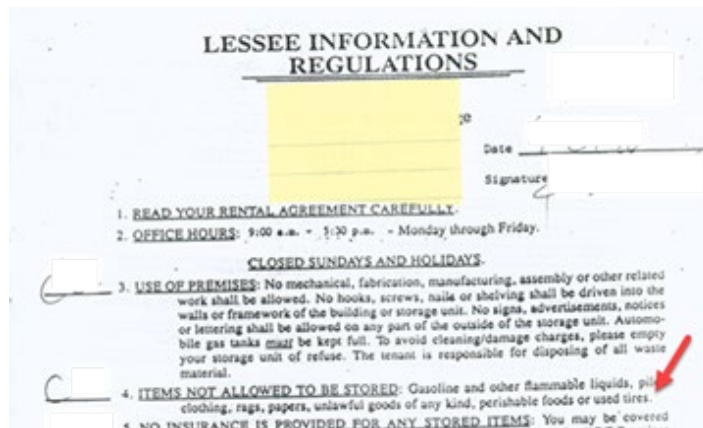
with the operations of an automotive recycler.

- iv. *More than 150 cubic yards of tire chips if that property is owned or leased by and associated with the operations of a commercial contractor that is authorized to use the tire chips as an aggregate replacement in a manner approved by a designation of inertness for scrap tires or is otherwise authorized for such use by the department under part 115.*

If a renter places over 500 scrap tires at your site, it qualifies as a collection site. Annual registration collection site registration would be required and a bond for the tire storage area may be necessary. Sites that have accumulations of tires may also be regulated under other regulations (townships, cities, fire marshal, etc.).

What if scrap tires are abandoned at my facility?

EGLE suggests that self-storage unit owners protect themselves by adding language to rental contracts to limit the number of scrap tires that a renter can store. In one situation, EGLE was able to criminally prosecute a renter for abandonment of approximately 700 scrap tires in a self-storage unit. Storage of these tires was an unregistered, non-compliant collection site. The criminal prosecution was made easier by the fact that the renter had initialed item 4 in the photo below.



Recently, ELGE staff have been contacted by several self-storage unit owners regarding scrap tires that have been abandoned inside. Some of the tires were placed up for public auction – please note that this is not an approved disposal method for these tires. Also, individuals that haul more than 10 scrap tires may be required to register as a scrap tire hauler in Michigan. (The definition of scrap tire hauler is 324.16901(1)(x), Part 169.) EGLE strongly recommends that you work with us before putting a unit with abandoned scrap tires up for auction. Cleanup grant funding may be available. However, if the tires have been placed in the unit after 1991 (year that Part 169 began), a lien would be placed on the property for repayment of the grant funding.

Put photo of storage unit here

How do you properly dispose of scrap tires?

- Contact your waste service company. Please note that whole tires are banned from disposal in a landfill. Tires may be quartered or chipped and placed in most landfills.

Contact a tire retailer. New tire retailers work with registered scrap tire haulers for removal of their tires. They may be willing, likely for a fee, to work with you to take scrap tires.

- Contact a registered scrap tire hauler or processor. EGLE maintains listings of registered haulers and processors (see end of article). Haulers will deliver the tires to a processor or appropriate disposal location such as a solid waste landfill.

How much does it cost to properly dispose of tires?

EGLE does not control the price that retailers, haulers or processors charge for disposal of scrap tires. *(The Scrap Tire Program is funded by a \$1.50 fee on vehicle title transfers that is collected by the Secretary of State. No funding is received from the money charged by industry for disposal of scrap tires.)* There is a range of prices provided by these businesses, it is advised that you call around before loading and hauling tires for prices. Under the Scrap Tire Cleanup Grant program, EGLE pays \$2 per passenger tire for proper disposal/recycling. (See links section at the end of this article.)

What happens to the tires – are they recycled?

EGLE hopes that every tire is reused, repurposed or recycled. However, recycling tires remains a challenge as they are bulky and difficult to handle. Sometimes the tire is too damaged for recycling due to being exposed to weather or is too dirty. Scrap tire processors can shred tires and turn them into (list is not all inclusive):

- Tire derived fuel (TDF) – TDF is used as a fuel source in power plants that have appropriate air pollution control to create energy
- Tire derived aggregate (TDA) – TDA can be used in septic fields, drainage projects and as lightweight engineered fill.
- Rubber and steel are used in:
 - Rubber modified asphalt and other road related projects
 - Porous pavement (pavement that water goes through)
 - Tire mulch – Instead of buying new mulch every year, tire derived mulch can be used.
 - Athletic field or livestock arena footing
 - Steel ingots are being made from the bead wire in the tires and can be used by manufacturers

Scrap Tire Links:

- EGLE Scrap Tire Program website: www.mi.gov/scraptires
- EGLE Scrap Tire Staff Contact Information:
https://www.michigan.gov/documents/deq/DEQ-WMRPD-PART-169-SCRAP-TIRE-COUNTY-MAP_640112_7.pdf
- Part 169, the Scrap Tire Statute:
[http://www.legislature.mi.gov/\(S\(1r3iccehkmryisd0tdslzd2c\)\)/mileg.aspx?page=print&objectname=mcl-451-1994-II-5-169](http://www.legislature.mi.gov/(S(1r3iccehkmryisd0tdslzd2c))/mileg.aspx?page=print&objectname=mcl-451-1994-II-5-169) (Definition of “scrap tire” is 324.16901(1)(w); definition of “collection site” is 324.16901(1)(d))
- Scrap tire hauler and collection site registration information, including bonds:
https://www.michigan.gov/egle/0,9429,7-135-3312_4123_4122-10165--,00.html
- Scrap tire cleanup grant information: <https://www.michigan.gov/egle/0,9429,7-135->

[3312_4123_4122-176203--.00.html](#)

From: Darren Ing <ding@mmhrvca.org>
Sent: Tuesday, September 10, 2019 1:42 PM
To: Clemens, Kirsten (EGLE) <CLEMENSK@michigan.gov>
Subject: FW: SSAM FACEBOOK Official

Kirsten,

See below. Let me know if you have any questions. Thanks!

Darren Ing

Director

Self Storage Association of Michigan www.selfstoragemichigan.org

Main: 517-349-3300

Direct: 517-999-6880

2222 Association Drive.

Okemos, Michigan 48864



From: Self-Storage Association of Michigan <info@mmhrvca.org>
Sent: Wednesday, August 28, 2019 11:11 AM
To: Darren Ing <ding@mmhrvca.org>
Subject: SSAM FACEBOOK Official

August 28, 2019

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