

## Kuether, Molly

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**From:** Bohl, James  
**Sent:** Monday, February 06, 2017 9:48 PM  
**To:** Kuether, Molly  
**Subject:** Fwd: Coal-tar-based sealants ban passes City of Milwaukee Common Council Committee

**From:** "Shambarger, Erick" <[Eshamb@milwaukee.gov](mailto:Eshamb@milwaukee.gov)>  
**Date:** February 6, 2017 at 8:20:31 PM CST  
**To:** "Bohl, James" <[jbohl@milwaukee.gov](mailto:jbohl@milwaukee.gov)>  
**Subject: Fw: Coal-tar-based sealants ban passes City of Milwaukee Common Council Committee**

Please see below for more support on the your PAH action. . .

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**From:** Hahn, Michael G. <[MHAHN@SEWRPC.org](mailto:MHAHN@SEWRPC.org)>  
**Sent:** Wednesday, January 25, 2017 11:55 AM  
**To:** Shambarger, Erick  
**Subject:** RE: Coal-tar-based sealants ban passes City of Milwaukee Common Council Committee

Erick,

Thanks for the update. That is an important step in addressing a significant ecological and public health problem.

Mike

Michael G. Hahn, P.E., P.H.  
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**From:** Shambarger, Erick [<mailto:Eshamb@milwaukee.gov>]  
**Sent:** Wednesday, January 25, 2017 9:52 AM  
**To:** Shambarger, Erick <[Eshamb@milwaukee.gov](mailto:Eshamb@milwaukee.gov)>; Chris Magruder <[cmagruder29@gmail.com](mailto:cmagruder29@gmail.com)>; Bob Anderson <[Bob.Anderson@wlc.edu](mailto:Bob.Anderson@wlc.edu)>; Marsha Burzynski <[marsha.burzynski@wisconsin.gov](mailto:marsha.burzynski@wisconsin.gov)>;

[gc@greatlakeseco.com](mailto:gc@greatlakeseco.com); Steven Corsi <[srcorsi@usgs.gov](mailto:srcorsi@usgs.gov)>; [ehlinger@uwm.edu](mailto:ehlinger@uwm.edu); Hahn, Michael G. <[MHAHN@SEWRPC.org](mailto:MHAHN@SEWRPC.org)>; [Julie.Kinzelman@cityofracine.org](mailto:Julie.Kinzelman@cityofracine.org); [vklump@uwm.edu](mailto:vklump@uwm.edu); Magruder, Matt <[MMagruder@mmsd.com](mailto:MMagruder@mmsd.com)>; [mclellan@uwm.edu](mailto:mclellan@uwm.edu); [steve.melching17@gmail.com](mailto:steve.melching17@gmail.com); Ezra Meyer <[emeyer@cleanwisconsin.org](mailto:emeyer@cleanwisconsin.org)>; Cheryl Nenn <[cheryl\\_nenn@milwaukeekeeper.org](mailto:cheryl_nenn@milwaukeekeeper.org)>; Neal T O'reilly <[oreillyn@uwm.edu](mailto:oreillyn@uwm.edu)>; [gplumeau@trcsolutions.com](mailto:gplumeau@trcsolutions.com); [nschultz@ch2m.com](mailto:nschultz@ch2m.com); [tsear@sehinc.com](mailto:tsear@sehinc.com); Slawski, Thomas M. <[TSlawski@SEWRPC.org](mailto:TSlawski@SEWRPC.org)>; Will Wawrzyn <[wwawrzyn@att.net](mailto:wwawrzyn@att.net)>; [rob@ma-rs.org](mailto:rob@ma-rs.org); [brandon.koltz@gmail.com](mailto:brandon.koltz@gmail.com); Michael Schwar <[mschwar@stonypointhydro.com](mailto:mschwar@stonypointhydro.com)>; [heather.schwar@cardno.com](mailto:heather.schwar@cardno.com); [ebunke@uwm.edu](mailto:ebunke@uwm.edu)

**Cc:** [Benjamin.Benninghoff@wisconsin.gov](mailto:Benjamin.Benninghoff@wisconsin.gov); Boxhorn, Joseph E. <[jboxhorn@sewrpc.org](mailto:jboxhorn@sewrpc.org)>; Tom Burzynski <[Thomas.Burzynski@wisconsin.gov](mailto:Thomas.Burzynski@wisconsin.gov)>; Troy Deibert <[tdeibert@hntb.com](mailto:tdeibert@hntb.com)>; Nancy K Frank <[frankn@uwm.edu](mailto:frankn@uwm.edu)>; Sharon Gayan @DNR <[sharon.gayan@dnr.state.wi.us](mailto:sharon.gayan@dnr.state.wi.us)>; Ben Gramling <[Ben.Gramling@sschc.org](mailto:Ben.Gramling@sschc.org)>; Tim Grundl <[grundl@uwm.edu](mailto:grundl@uwm.edu)>; Hartsook, Bryan D - DNR <[Bryan.Hartsook@wisconsin.gov](mailto:Bryan.Hartsook@wisconsin.gov)>; [rklaper@uwm.edu](mailto:rklaper@uwm.edu); Kevin Kratt <[kevin.kratt@tetrattech.com](mailto:kevin.kratt@tetrattech.com)>; Krill, Bill (<[BKrill@mmsd.com](mailto:BKrill@mmsd.com)>) <[BKrill@mmsd.com](mailto:BKrill@mmsd.com)>; Patrick Marchese <[pmarchese1@wi.rr.com](mailto:pmarchese1@wi.rr.com)>; [Mark.Mittag@CH2M.com](mailto:Mark.Mittag@CH2M.com); Tony Remsen <[ccremsen@att.net](mailto:ccremsen@att.net)>; Karen Sands <[ksands@mmsd.com](mailto:ksands@mmsd.com)>; 'Beth Foy' (<[bethfoy@execpc.com](mailto:bethfoy@execpc.com)>) <[bethfoy@execpc.com](mailto:bethfoy@execpc.com)>; Linda Reid <[reid@swwtwater.org](mailto:reid@swwtwater.org)>; Kaitlyn Taylor <[taylor@swwtwater.org](mailto:taylor@swwtwater.org)>; Nadia Bogue <[nadia.bogue@sschc.org](mailto:nadia.bogue@sschc.org)>; Michael Murillo <[murillo@swwtwater.org](mailto:murillo@swwtwater.org)>; Jennifer Bolger Breceda <[jennifer@milwaukeekeeper.org](mailto:jennifer@milwaukeekeeper.org)>; Jen Linde <[jlinse@riverrevitalizationfoundation.org](mailto:jlinse@riverrevitalizationfoundation.org)>; Shafer, Kevin <[KShafer@mmsd.com](mailto:KShafer@mmsd.com)>

**Subject:** Coal-tar-based sealants ban passes City of Milwaukee Common Council Committee

Hi All,

The Public Works Committee of the Milwaukee Common Council unanimously recommended passage of on [ordinance to ban coal tar sealants](#). I was not aware of the file until this morning. Alderman Bohl took the lead after reading the Journal Sentinel story. However, I did speak in support of the ban and mentioned the good work Southeast Wisconsin Watersheds Trust did on this. I also spoke in favor of a statewide ban. If SWWT wants to get any additional information attached in the file, let me know.



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[ECO](#) | [ReFresh MKE](#) | [ME3](#)

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**From:** Shambarger, Erick [<mailto:eshamb@milwaukee.gov>]

**Sent:** Wednesday, January 25, 2017 9:25 AM

**To:** Chris Magruder; Bob Anderson; Marsha Burzynski; [gc@greatlakeseco.com](mailto:gc@greatlakeseco.com); Steven Corsi; [ehlinger@uwm.edu](mailto:ehlinger@uwm.edu); [mhahn@SEWRPC.org](mailto:mhahn@SEWRPC.org); [Julie.Kinzelman@cityofracine.org](mailto:Julie.Kinzelman@cityofracine.org); [vklump@uwm.edu](mailto:vklump@uwm.edu); Magruder, Matt; [mclellan@uwm.edu](mailto:mclellan@uwm.edu); [steve.melching17@gmail.com](mailto:steve.melching17@gmail.com); Ezra Meyer; Cheryl Nenn; Neal T O'reilly; [gplumeau@trcsolutions.com](mailto:gplumeau@trcsolutions.com); [nschultz@ch2m.com](mailto:nschultz@ch2m.com); [tsear@sehinc.com](mailto:tsear@sehinc.com); [TSlawski@SEWRPC.org](mailto:TSlawski@SEWRPC.org); Will Wawrzyn; [rob@ma-rs.org](mailto:rob@ma-rs.org); [brandon.koltz@gmail.com](mailto:brandon.koltz@gmail.com); Michael Schwar; [heather.schwar@cardno.com](mailto:heather.schwar@cardno.com); [ebunke@uwm.edu](mailto:ebunke@uwm.edu)

**Cc:** [Benjamin.Benninghoff@wisconsin.gov](mailto:Benjamin.Benninghoff@wisconsin.gov); Boxhorn, Joseph E.; Tom Burzynski; Troy Deibert; Nancy K Frank; Sharon Gayan @DNR; Ben Gramling; Tim Grundl; Hartsook, Bryan D - DNR; [rklaper@uwm.edu](mailto:rklaper@uwm.edu);

Kevin Kratt; Krill, Bill ([BKrill@mmsd.com](mailto:BKrill@mmsd.com)); Patrick Marchese; [Mark.Mittag@CH2M.com](mailto:Mark.Mittag@CH2M.com); Tony Remsen; Karen Sands; 'Beth Foy' ([bethfoy@execpc.com](mailto:bethfoy@execpc.com)); Linda Reid; Kaitlyn Taylor; Nadia Bogue; Michael Murillo; Jennifer Bolger Breceda; Jen Linde; Shafer, Kevin

**Subject:** RE: EPA's upcoming actions to restrict use of coal-tar-based sealants

The City of Milwaukee Public Works Committee is considering an ordinance to ban coal tar sealants this morning. I am here in support. Is anyone else coming? We are in City Hall hearing room B on 3rd floor.

Erick Shambarger

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: Chris Magruder <[cmagruder29@gmail.com](mailto:cmagruder29@gmail.com)>

Date: 9/12/16 9:45 AM (GMT-06:00)

To: Bob Anderson <[Bob.Anderson@wlc.edu](mailto:Bob.Anderson@wlc.edu)>, Marsha Burzynski <[marsha.burzynski@wisconsin.gov](mailto:marsha.burzynski@wisconsin.gov)>, [gc@greatlakeseco.com](mailto:gc@greatlakeseco.com), Steven Corsi <[srcorsi@usgs.gov](mailto:srcorsi@usgs.gov)>, [ehlinger@uwm.edu](mailto:ehlinger@uwm.edu), "[mhahn@SEWRPC.org](mailto:mhahn@SEWRPC.org)" <[mhahn@sewrpc.org](mailto:mhahn@sewrpc.org)>, [Julie.Kinzelman@cityofracine.org](mailto:Julie.Kinzelman@cityofracine.org), [vklump@uwm.edu](mailto:vklump@uwm.edu), "Magruder, Matt" <[MMagruder@mmsd.com](mailto:MMagruder@mmsd.com)>, [mclellan@uwm.edu](mailto:mclellan@uwm.edu), [steve.melching17@gmail.com](mailto:steve.melching17@gmail.com), Ezra Meyer <[emeyer@cleanwisconsin.org](mailto:emeyer@cleanwisconsin.org)>, Cheryl Nenn <[cheryl\\_nenn@milwaukeeiverkeeper.org](mailto:cheryl_nenn@milwaukeeiverkeeper.org)>, Neal T O'reilly <[oreillyn@uwm.edu](mailto:oreillyn@uwm.edu)>, [gplumeau@trcsolutions.com](mailto:gplumeau@trcsolutions.com), [nschultz@ch2m.com](mailto:nschultz@ch2m.com), [tsear@sehinc.com](mailto:tsear@sehinc.com), "[TSlawski@SEWRPC.org](mailto:TSlawski@SEWRPC.org)" <[TSlawski@sewrpc.org](mailto:TSlawski@sewrpc.org)>, Will Wawrzyn <[wwawrzyn@att.net](mailto:wwawrzyn@att.net)>, [rob@ma-rs.org](mailto:rob@ma-rs.org), [brandon.koltz@gmail.com](mailto:brandon.koltz@gmail.com), Michael Schwar <[mschwar@stonypointhydro.com](mailto:mschwar@stonypointhydro.com)>, [heather.schwar@cardno.com](mailto:heather.schwar@cardno.com), [ebunke@uwm.edu](mailto:ebunke@uwm.edu)

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Subject: RE: EPA's upcoming actions to restrict use of coal-tar-based sealants

Dear Science Advisory Committee Members:

I would like to remind you all about the September 15<sup>th</sup> 2016 Science Advisory Committee Meeting.

The meeting will be held at UWM's School of Freshwater Sciences, 600 E. Greenfield Ave. Milwaukee, in room 1099 from 1-3 p.m.

Also attached is the background material on the MMSD real-time water quality monitoring stations, including a power point that contains the map of the current sites and other background information.

As discussed at the last Science Advisory Committee Meeting, MMSD is requesting review and comments on their (MMSD) real-time water quality monitoring stations. They are requesting feedback soon on the KK stations as one of them (MS1108) is damaged and the other is in the way of bridge construction scheduled to start next year that will go on for months or more.

While this topic was not on the September 15<sup>th</sup> agenda if time allows we will try to discuss. Please send any of your thoughts, comments, or recommendations to either: Sharon Mertens, [smertens@mmsd.com](mailto:smertens@mmsd.com) or Matthew Magruder, [mmagruder@mmsd.com](mailto:mmagruder@mmsd.com).

Thank You

*Christopher Magruder*

Science Advisory Committee Coordinator

Sent from [Mail](#) for Windows 10

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**From:** [Chris Magruder](#)

**Sent:** Wednesday, August 24, 2016 7:18 PM

**To:** [Bob Anderson](#); [Marsha Burzynski](#); [gc@greatlakeseco.com](mailto:gc@greatlakeseco.com); [Steven Corsi](#); [ehlinger@uwm.edu](mailto:ehlinger@uwm.edu); [mhahn@SEWRPC.org](mailto:mhahn@SEWRPC.org); [Julie.Kinzelman@cityofracine.org](mailto:Julie.Kinzelman@cityofracine.org); [vklump@uwm.edu](mailto:vklump@uwm.edu); [Magruder, Matt](#); [mclellan@uwm.edu](mailto:mclellan@uwm.edu); [steve.melching17@gmail.com](mailto:steve.melching17@gmail.com); [Ezra Meyer](#); [Cheryl Nenn](#); [Neal T O'reilly](#); [gplumeau@tresolutions.com](mailto:gplumeau@tresolutions.com); [nschultz@ch2m.com](mailto:nschultz@ch2m.com); [tsear@sehinc.com](mailto:tsear@sehinc.com); [TSlawski@SEWRPC.org](mailto:TSlawski@SEWRPC.org); [Will Wawrzyn](#); [rob@ma-rs.org](mailto:rob@ma-rs.org); [brandon.koltz@gmail.com](mailto:brandon.koltz@gmail.com); [Michael Schwar](#); [heather.schwar@cardno.com](mailto:heather.schwar@cardno.com); [ebunke@uwm.edu](mailto:ebunke@uwm.edu)  
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**Subject:** Re: EPA's upcoming actions to restrict use of coal-tar-based sealants

FYI

Dane county coal tar ordinance

<http://pdf.countyofdane.com/ordinances/ord080.pdf>

On Wednesday, August 24, 2016, Chris Magruder <[cmagruder29@gmail.com](mailto:cmagruder29@gmail.com)> wrote:

Dear Science Advisory Committee Members:

The link below has more information on EPA's upcoming actions to restrict use of coal-tar-based sealants, see the press release at:

<http://waterkeeper.org/u-s-epa-proposes-first-time-measures-to-restrict-the-use-of-coal-tar-sealants/>.

Best regards,

*Christopher Magruder*

Science Advisory Committee Coordinator

**From:** [Chris Magruder](#)

**Sent:** Sunday, August 21, 2016 11:51 AM

**To:** [Bob Anderson](#); [Marsha Burzynski](#); [gc@greatlakeseco.com](#); [Steven Corsi](#); [ehlinger@uwm.edu](#); [mhahn@SEWRPC.org](#); [Julie.Kinzelman@cityofracine.org](#); [vklump@uwm.edu](#); [Chris Magruder](#); [Magruder, Matt](#); [mclellan@uwm.edu](#); [steve.melching17@gmail.com](#); [Ezra Meyer](#); [Cheryl Nenn](#); [Neal T O'reilly](#); [gplumeau@tresolutions.com](#); [nschultz@ch2m.com](#); [tsear@sehinc.com](#); [TSlawski@SEWRPC.org](#); [Will Wawrzyn](#); [rob@ma-rs.org](#); [brandon.koltz@gmail.com](#); [Michael Schwar](#); [heather.schwar@cardno.com](#); [ebunke@uwm.edu](#)

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**Subject:** September 15th Science Advisory Committee Meeting - SFS RM 1099 1-3p.m.

Dear Science Advisory Committee Members:

I would like to remind you all about the September 15<sup>th</sup> 2016 Science Advisory Committee Meeting.

The meeting will be held at UWM's School of Freshwater Sciences, 600 E. Greenfield Ave. Milwaukee, in room 1099 from 1-3 p.m. An agenda will be send out in a couple weeks.

Also I'd like to alert you to several developments related to PAH's and coal-tar sealants.

1) A new publication authored by scientists at Health Canada documents that ingestion of coal-tar-based pavement sealcoat can cause genotoxicity in a mammal.

"Oral exposure to commercially available coal-tar-based pavement sealcoat induces Murine genetic damage and mutations," Long, A.S., Watson, M., Arlt, V.M., and White, P.A. Environmental and Molecular Mutagenesis. 2016. DOI 10.1002/em.22032

You can download the article here: <http://onlinelibrary.wiley.com/doi/10.1002/em.22032/full>

2) The city of Ann Arbor, Michigan Bans Coal Tar Sealants

[http://www.mlive.com/news/ann-arbor/index.ssf/2016/06/ann\\_arbor\\_bans\\_toxic\\_pavement.html](http://www.mlive.com/news/ann-arbor/index.ssf/2016/06/ann_arbor_bans_toxic_pavement.html)

3) EPA announced [new rules for industrial stormwater permits](#), including restrictions on coal-tar sealants.

Best regards,

*Christopher Magruder*

Science Advisory Committee Coordinator

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