**NSC Technical Subcommittee Call Minutes – November 17, 2020**

**Participation [by regions]:**

1: Sara Johnson - **NH**

2: Ed Bakos - **NJ**

3: Jeremy Hancher, Nancy Herb, Lee Ann Briggs & Carrie Wintersteen – **PA**

4: Tony Pendola – **NC**; Jim Grassiano – **AL**; Derek Bozzell – **KY**; Donovan Grimwood – **TN**; Trayce Moore-Thomas & Melissa Collier - **MS**

5: Jenifer Dixon – **MI**; Renee Bashel & Lisa Ashenbrenner-Hunt – **WI**; Samantha Connolly, Alison Cameron, Jennifer Theodore, Emily Ohde & Jane Paulson - **MN** and Steve Preece & Mark Stoddard - **IN**

7: Allison Crowther, Nancy Larson, Leena Divakar & Lynelle Ladd – **KS**; Jennifer Wittenburg & Christine Paulson – **IA,** Bob Randolph – **MO**

8: Eleanor Divver – **UT**

9: Eric Florio - **NV**

10: Belinda Breidenbach – **ID**

**October minutes:** approved as is

**Tech-Subcommittee:** <https://nationalsbeap.org/sbeap/resources/subcommittees/technical>

***\*\* This presentation was recorded from this presentation is posted on the National SBEAP YouTube channel at*** [***https://www.youtube.com/watch?v=jf7uOB1G\_QU***](https://www.youtube.com/watch?v=jf7uOB1G_QU) ***\*\****

**Minnesota Bans TCE – Find Assistance for Your Transition**

Emily Ohde, Environmental Specialist, MPCA and Jane Paulson, Senior Engineer, MnTAP

Minnesota legislation signed **May 16, 2020**

<https://www.revisor.mn.gov/laws/2020/0/Session+Law/Chapter/84/>

Effective date **June 1, 2022**

Business **< 500** may apply for a one-year extension

Does not apply to [exempt sources](https://www.pca.state.mn.us/air/amendments-air-quality-rules-exempt-source-conditionally-insignificant-activities) or if no air permit required

\* Exceptions

Use TCE in closed systems with zero TCE emissions

Hold TCE or TCE containing products for 3rd party distribution

Hospital or academic medical facility

\* Variances

Use TCE for R&D, laboratory, or experimental purposes

Process TCE for waste disposal

**\* Must comply with the health-based value of 2 *μg/m3* and risk limits**

**MnTAP TCE Alternatives Project and Videos:** <http://www.mntap.umn.edu/industries/facility/machine/tcealternatives/>

**Presentation 1:**

Minnesota’s Trichloroethylene (TCE) Initiative began in early 2019 when TCE pollution started receiving increased attention. Minnesota Pollution Control Agency (MPCA) air permitting, and risk analysis groups began identifying all facilities emitting TCE and established an action plan.

By May 2020, the Trichloroethylene (TCE) ban legislation was signed, which includes up to $250,000 in Small Business Environmental Improvement Loans.

The agency continues to address the statute through evaluation of exceptions, exemptions, and less toxic replacements. This presentation will provide an overview of the events surrounding the TCE initiative, facilities emitting TCE, and ban conditions.

**Bio:**

Emily Ohde is an environmental assistance specialist at the Minnesota Pollution Control Agency, Business Assistance Unit.

Her involvement with the Small Business Environmental Assistance Program began upon earning master’s degrees in environmental science and public affairs from Indiana University.

With a primary focus in air quality, Emily has 8 years of technical experience helping businesses understand and comply with environmental regulatory requirements, prevent waste and emissions, and reduce regulatory obligations.

**Presentation 2:**

The Minnesota Technical Assistance Program (MnTAP) TCE Alternatives Project focuses on helping Minnesota businesses replace trichloroethylene (TCE) with safer, yet effective alternatives. While there are a variety of alternatives available, replacement is not straightforward, and many of the potential options carry serious health or environmental concerns of their own.

With funding from the MPCA and US EPA, MnTAP is partnering with the Toxic Use Reduction Institute (TURI) at the University of Massachusetts Lowell to perform solvent testing to help companies find and implement the best alternative to meet their needs.

This presentation will include a summary TCE use in MN, project progress, alternative cleaners and equipment options.

**Bio:**

Jane Paulson is a senior engineer with the Minnesota Technical Assistance Program where she has worked on water and VOC reduction projects and incorporating lean tools with pollution prevention to eliminate waste of all kinds.

After earning a BS in Chemical Engineering at the University of Wisconsin-Madison, Jane spent 14 years at 3M, where she held positions in quality, development, and manufacturing, including time at 5 different 3M plants, followed by a year as a medical device qualification engineer at Olympus before coming to MnTAP in 2013.

**Other Reference web sites**

**TURI Case Studies** - <https://www.turi.org/TURI_Publications/Case_Studies>

**TURI Database of Safer Solvents (DOSS)** - <http://doss.turi.org/>

**Future topics:**

* **Dec 15**: Ozone discussion, Rhonda Wright, EPA OAQPS
* **Jan 19**: Hazardous waste generator improvement rule, implementation – Mary Beth Sheridan & Kathy Lett, EPA
* **Feb 16**: Margaret Sheppard, EPA might be speaking to us regarding the SNAP program – solvents, refrigerants, etc.
* **Mar 16:** Metal Finishing Industry, with a focus on air quality, April Lazzaro, Michigan EGLE Air Quality Inspector
* **Apr 20:** How to Comply with Industrial Storm Water Regulations, Ryan Grant, Michigan EGLE Industrial Storm Water Specialist
* **May 18:** ***tentative*** – Methyl Bromide Fumigation Operations air permitting considerations
* **Other topics:** How to use the EPA guidance portal – [www.epa.gov/guidance](https://urldefense.com/v3/__http:/www.epa.gov/guidance__;!!PRtDf9A!9DXSkjROWzMdIKkCa7alj-ylZ9kM2Sf2WDF90P8KLv1TqIEnfC9JiAx057lkqhI6iOGbeA$)

**Next Call: December 15, 2020**

1 pm CST (2 pm EST) (3rd Tuesday of month)