**NSC Technical Subcommittee Call Minutes – December 20, 2016**

**Participation [by regions]:**

1: Sara Johnson & Melissa Zych – NH

2: Harry Ching – NY and Edward Bakos - NJ

3: Carrie Wintersteen & Jeremy Hancher – PA

4: Tony Pendola – NC; Donovan Grimwood – TN; Teresa Shiflett, John Yntema and Mary Talukder – GA

5: Aneka Swanson & Mike Nelson – MN; Jenifer Dixon – MI; Ed Bakowski – IL; Todd Nein – OH and Mark Stoddard – IN; Lisa Ashenbrenner Hunt, Renee Bashel, Jennifer Hamill - WI

6: Patty Avery – TX; Dianne Wilkins – OK and Sandy Spon - NM

7: Nancy Larson – KS

8: Christine Hoefler – CO

9: Jenna Latt – CA

**November minutes:** approved as is

**GreenEarth® as a Replacement Cleaning System in the Garment Care Industry and its Consequences**

***Tim Maxwell, President, GreenEarth Cleaning®***

It is known as Deca-Methyl-Cyclo- Penta-Siloxane (D5) or Volatile Methyl Siloxane (VMS).

It is not regulated as a volatile organic compound (VOC) under the Clean Air Act.

It has a flash point of approximately 78 oC (170 oF).

Listing of VMS as an acceptable substitute in precision cleaning August 26, 1994

Comparisons were made with the use of Perchloroethylene (Perc) and hydrocarbons – Exxon DF 2000, K-Tex, Intense and Gen X.

Cleaning with Green Earth is a similar process to cleaning with perc and works almost as well, although pre-spotting is sometimes necessary. It is also gentler on garments with beads and sequins. However, many dry cleaner owners are skeptical of new technology with which they are not familiar and/or do not have the money to replace their machines or pay the annual license fee to use Green Earth. New entrants to the industry are embracing alternatives more the existing shops.

Other solvents discussed included Solvon K4 and Sensene.

An issue of concern is the use of Perc and its perceived risk for contaminating ground and ground water relative to the number of sites undergoing remediation. Tenant – landlord lease agreements may incorporate language regarding certain classes of solvents and the prohibition of their use.

If you have questions, Tim can be reached at TMaxwell@GreenEarthCleaning.com (816) 926-0895.

**Note: A recording of this webinar will be available on the Technical Subcommittee web page:** [**https://nationalsbeap.org/sbeap/resources/subcommittees/technical**](https://nationalsbeap.org/sbeap/resources/subcommittees/technical)**.**

**Other information on this topic**

***Alternative Solvents: Health and Environmental Impacts***, California Air Resources Board, September 4, 2015 - [https://www.arb.ca.gov/toxics/dryclean/notice2015\_alt\_**solvents**.pdf](https://www.arb.ca.gov/toxics/dryclean/notice2015_alt_solvents.pdf)

***Alternatives to Perchloroethylene Used in Professional Garment Care***, The Massachusetts Toxics Use Reduction Institute, December 2013 - <http://www.turi.org/content/download/7383/134432/file/PERC%20Alternative%20Assessment%20Fact%20Sheet.pdf>

**Future topics for consideration / ideas for technical sessions for annual training**

* Multimedia compliance assistance: Barb Goode - KS & Dan Nickey - IA – **January 2017**
* Coating manufacturers: information sharing
* How different states calculate potential to emit
* Electronic hazardous waste manifests user fees
* Hazardous waste generator improvements final rule by November 2016 – Jim O’Leary, EPA
* Startup/shutdown final rule: Tony Pendola - NC & Melissa Collier – MS
* Region 5 Plating & Polishing NESHAP (6W) outreach effort – current progress
* Regulations we would like to see go away
* Bring in industrial representatives to talk about their sector/regulations

A survey will be going out regarding participation in the annual training and what topics you are interested in.

Minutes prepared by Lisa Ashenbrenner Hunt – WI (lisa.ashenbrennerhunt@wisconsin.gov) and Mark Stoddard – IN (MSTODDAR@idem.IN.gov), Technical Subcommittee Co-Chairs.