**NSC Technical Subcommittee Call Minutes – May 19, 2020**

**Participation [by regions]:**

1: Sara Johnson – **NH**

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

4: Donovan Grimwood & Daniel Chuquin – **TN**; Tony Pendola – **NC**; Derek Bozzell **KY**

5: Renee Bashel & Jennifer Feyerherm – **WI**; Jenifer Dixon – **MI**; Emily Ohde & Troy Johnson - **MN** and Jennifer Collins, Mark Stoddard & Marguerite Bolt (Purdue University Department of Agronomy) - **IN**

6: Lloyd Kirk - **OK**

7: Allison Crowther & Lynelle Ladd – **KS** and Jennifer Wittenburg - **IA**

8: Kaitlin Urso & Christine Hoefler - **CO**

9: Jennifer Lipkin – **NV** and Genevieve Salmonson - **HI**

10: Belinda Breidenbach - **ID**

**Other (?)**: Sbenromd, Bret Lang, Chuck Haney, Grant, Gyanendra.X.Prasa, Gerald McIntyre, Jennifer Theodore, Cynthia Nelson, Lucas Hershey

**April minutes:** approved as is

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

***This presentation was recorded from this presentation will be posted to the SBEAP Technical Subcommittee web page***

**Cannabis at the state level & Colorado updates**

Jenifer Dixon, MI; Donovan Grimwood, TN and Kaitlin Urso, CO

Has your state legalized marijuana as well as hemp? How has this effected how your department looks at growing and processing of these plants? Are they considered agricultural or industrial? The questions keep coming and it is a complicated matter, whatever way you look at it. Three states will present a perspective on how cannabis legalization has impacted the environment and environmental regulations related to this industry in their state.

**Bios:**

**Jenifer Dixon** works with the Michigan Department of Environment, Great Lakes, and Energy’s, Environmental Support Division as the Air Quality Liaison working with small businesses, Michigan residents and EGLE’s Air Quality Division to facilitate communication and training between diverse groups on a variety of air quality related topics. Jenifer has over 20 years of experience working with air quality issues from a technical and public relations perspective.

**Donovan Grimwood** began with the Tennessee SBEAP in 1999 and has been the TN Small Business Environmental Ombudsman since 2014. He is also currently the co-chair for the Technical Subcommittee. As part of the TN SBEAP focus on Agribusiness as part of the Governor’s goals to provide more assistance to the agribusiness sector in TN, he has focused on the rapidly expanding industrial hemp industry in TN as an initial project. The goal is to provide a clear and comprehensive overview of environmental issues that the industry may face so that the many start-up facilities will understand what they may need to do to be in environmental compliance.

**Kaitlin** **Urso** is a free environmental consultant for small businesses for the Colorado Department of Public Health and Environment in Denver, CO. She has 9 years of technical environmental experience and a **mechanical engineering** degree from the University of Colorado.  In her role, Kaitlin rotates through industries to focus on providing proactive environmental assistance to and create lasting program resources for. Kaitlin specializes in greening the brewing and cannabis industries.

**In 2017**, Kaitlin spearheaded the creation of CDPHE’s [Sustainable Breweries Assistance Program](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.colorado.gov%2Fpacific%2Fcdphe%2Fsustainablebrewing&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312054162&sdata=AxyG%2FVPNqkIzBCkCGmHniBPNKc%2FTBHEk0pXtw8zDOhc%3D&reserved=0) and helped numerous local craft brewers focus on reducing their environmental impacts.

Kaitlin is the author of the air quality chapter of the current [Cannabis Environmental BMP Guide](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.denvergov.org%2Fcontent%2Fdam%2Fdenvergov%2FPortals%2F771%2Fdocuments%2FEQ%2FMJ%2520Sustainability%2FCannabis_BestManagementPracticesGuide_FINAL.pdf&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312074172&sdata=GWiahg2V481bp2oKJFS3KpWE%2BXKJllMWRtNRmgUiMdg%3D&reserved=0) in **2018** and was a speaker at the 2018 Cannabis Sustainability Symposium.

**For 2019**, Kaitlin has been selected to chair the BMP and data subcommittee of the [Denver Cannabis Sustainability Workgroup](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.denvergov.org%2Fcontent%2Fdenvergov%2Fen%2Fenvironmental-health%2Fenvironmental-quality%2Fcannabis-sustainability.html&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312074172&sdata=wawkarDXrnW0lVgHmXTbYHyMiFV01ukD8dPFnVarK1M%3D&reserved=0).

Additionally, Kaitlin has been a speaker at the [North American Cannabis Summit](https://eur02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnorthamericancannabissummit.org%2Fwp-content%2Fuploads%2F2018%2F07%2FNACS_AgendaTracks.pdf&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312084186&sdata=OxdcZhE5AF48hyw2pqh%2BHXC%2FlAPAnVnspN0rlaoir1Y%3D&reserved=0), the [Craft Brewers Conference](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.craftbrewersconference.com%2Fsession%2352%3Fsession-title%3Dsustainability-101-and-a-success-story%3A-cashing-in-on-resource-efficiency!&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312084186&sdata=xBkTuRrR9af%2BSTu3tPyBKpx3n1ynRXs6pJD0sC98tQI%3D&reserved=0), [MJBizNEXT](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmjbizconference.com%2Fnext%2F%3Fgclid%3DEAIaIQobChMI0KehsqSH4gIVULbACh1iswO0EAAYAiAAEgKg8PD_BwE&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312094186&sdata=zlrl01GwFGNjMHgdgag%2BGWM01l8fFZSNuHKuhnQRJNM%3D&reserved=0) conference, [Air and Waste Management Association’s conference](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.awma.org%2Face2019&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312094186&sdata=1ErKOfPZS%2BTqqvcXY16qP4j7e5rUtZlNZqkG0MgSPJU%3D&reserved=0), [NCIA](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.cannabisbusinesssummit.com%2F&data=02%7C01%7C%7Cf362934e93f44257c91908d6d8881262%7Cac144e41800148f09e1c170716ed06b6%7C0%7C0%7C636934476312104187&sdata=lMdyMbHEc9WzojRFN%2BKsS9%2F3I5iXR69QU29U7XPYv70%3D&reserved=0)’s business conference, and the [Colorado Environmental Health Association](https://ceha49.wildapricot.org/event-3003655)'s annual conference.

**Resources**

**Colorado:**

**Industrial Hemp** - <https://www.colorado.gov/pacific/agplants/industrial-hemp>

**Greening the cannabis industry** - <https://www.colorado.gov/pacific/cdphe/greencannabis>

**Hemp in food** - <https://www.colorado.gov/pacific/cdphe/industrial-hemp-food>

**Tennessee:**

**Guidance on Cannabidiol (CBD) Oil Extraction Environmental Permitting in TN** - <https://www.tn.gov/content/dam/tn/environment/small-business/documents/sbeap-CBD%20guidance.pdf>

**Michigan:**

**Environmental Obligations for the Cannabis Industry -** [https://www.michigan.gov/egle/0,9429,7-135-3307\_36106-528286--,00.html](https://www.michigan.gov/egle/0%2C9429%2C7-135-3307_36106-528286--%2C00.html)

**Zoom chat**

**From TN(R4) - Donovan Grimwood to Everyone: 02:12 PM**

Question for later: Have any emission factors been determined in relation to drying operations?

**From Lynelle Ladd to Everyone: 02:24 PM**

Is composting on-site an option?

**From sbenromd to Everyone: 02:25 PM**

Is the white paper going to include any estimates of the emissions in particular the VOCs?

**From Lynelle Ladd to Everyone: 02:28 PM**

Alfalfa drying AP-42?

**From Kaitlin Urso to Everyone: 02:40 PM**

Alfalfa might have similar drying emissions to hemp

**From Jeremy Hancher to Everyone: 02:41 PM**

What would all the speakers say is the best way to make "inroads" with this specific type of industry or operation? Any ideas or suggestions as how to get small business requests for assistance or referrals from partner organizations?

**From Jenifer Dixon to Everyone: 02:43 PM**

Good question Jeremy. I will talk a bit about that and I know Kaitlin has great experience with it. I think that was one of the biggest questions our group had when we first started talking about this.

**From Jeremy Hancher to Everyone: 02:44 PM**

Cool, thanks Jenifer! Looking for tips from the pros.

**From Kaitlin Urso to Everyone: 02:45 PM**

I would say a similar strategy as with any industry. Start with attending stakeholder meetings and gain their trust. Become a useful resource

**From Lynelle Ladd to Everyone: 02:50 PM**

Have any of the states seen portable grinding and dryer units that are mobile to be used in the field at outdoor growing operations? How are you regulating those?

**From Kaitlin Urso to Everyone: 02:51 PM**

We see portable grindingMost hemp drying is done off site

**From TN(R4) - Donovan Grimwood to Everyone: 02:51 PM**

Hmm... No, I haven't seen any of that. In TN, as it would be a mobile source, we may or may not regulate it. If we did, it would be similar to tub grinders for mulching operations.

**From Kaitlin Urso to Everyone: 02:51 PM**

Currently CO does not regulate either(More just a matter of addressing the larger issues first with limited resources)

**From Lynelle Ladd to Everyone: 02:54 PM**

This equipment could be powered by engines (maybe would fall into the portable non-road engine category rather than NSPS or MACT), but the dryer might be diesel fuel fired if it is portable.

**From TN(R4) - Donovan Grimwood to Everyone: 02:55 PM**

Yes, the 4Z may have an impact.

**From Kaitlin Urso to Everyone: 02:56 PM**

Can only enforce State adopted NSPS and MACTs- EPA will not step in with enforcement authority (for marijuana)

**From Lynelle Ladd to Everyone: 02:58 PM**

Our State has adopted the MACT and NSPS, but still surprised EPA would not regulate an engine regardless of where it is located. Is it a "give the process legitimacy" issue?

**From Kaitlin Urso to Everyone: 03:01 PM**

EPA R8 will not enforce on a Marijuana business as it is not a "business" they are "criminals"

**From Jenifer Dixon to Everyone: 03:02 PM**

Wow Kaitlin. That is interesting.

**From Lynelle Ladd to Everyone: 03:02 PM**

Ah. Well we only grow hemp so far in KS :-)

**Future topics:**

* **June 16:** Aqueous based cleaning, Steve Preece, Madison Chemicals
* **July 21:** Understanding 40 CFR 51.100(s) Definition of Volatile Organic Compound, Souad Benromdhane, EPA, OAQPS, Health & Environmental Impact Division
* **August 18:** APTI-Learn: What is it, who’s it for, and how do you get there? Justin Hall, EPA, OAQPS
* **Sept 15:** Alternative solvents, John Holmes, EPA SNAP program
* **Other topics:** How to use the EPA guidance portal – [www.epa.gov/guidance](http://www.epa.gov/guidance), “begin actual construction”

**Next Call: June 16, 2020**

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