TURA Program Update

TURA Virtual Conference
Session A
April 6, 2021

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection

OTA
OFFICE OF TECHNICAL ASSISTANCE & TECHNOLOGY

TURI
TOXICS USE REDUCTION INSTITUTE
UMASS LOWELL

Welcome!

Slides and handouts are available at **turi.org/ContinuingEducationConferenceSpring2021**

Webinar will be recorded – recording available at same location of TURI's website

Use chat box for questions at any time – we will answer Qs immediately when possible, and we'll find time at the end to answer the rest

- If you are experiencing technical challenges during this session, you can send a chat directly to the moderator (noted as such in the participant list) or email Brenda@turi.org

TUR Continuing Education Credits

- This session has been approved for 3 credits
- To be awarded credits from MassDEP you must:
  - Register and pay for this session
  - Participate in polls and/or breakout room discussions
  - Complete and submit the post-conference survey for this session
- You will receive a certificate of completion once you have met these requirements
  - Please be patient – this will take about a week for us to process

Massachusetts
Toxics Use Reduction

TURA Program Update

TURA Continuing Education Spring Conference

April 2021

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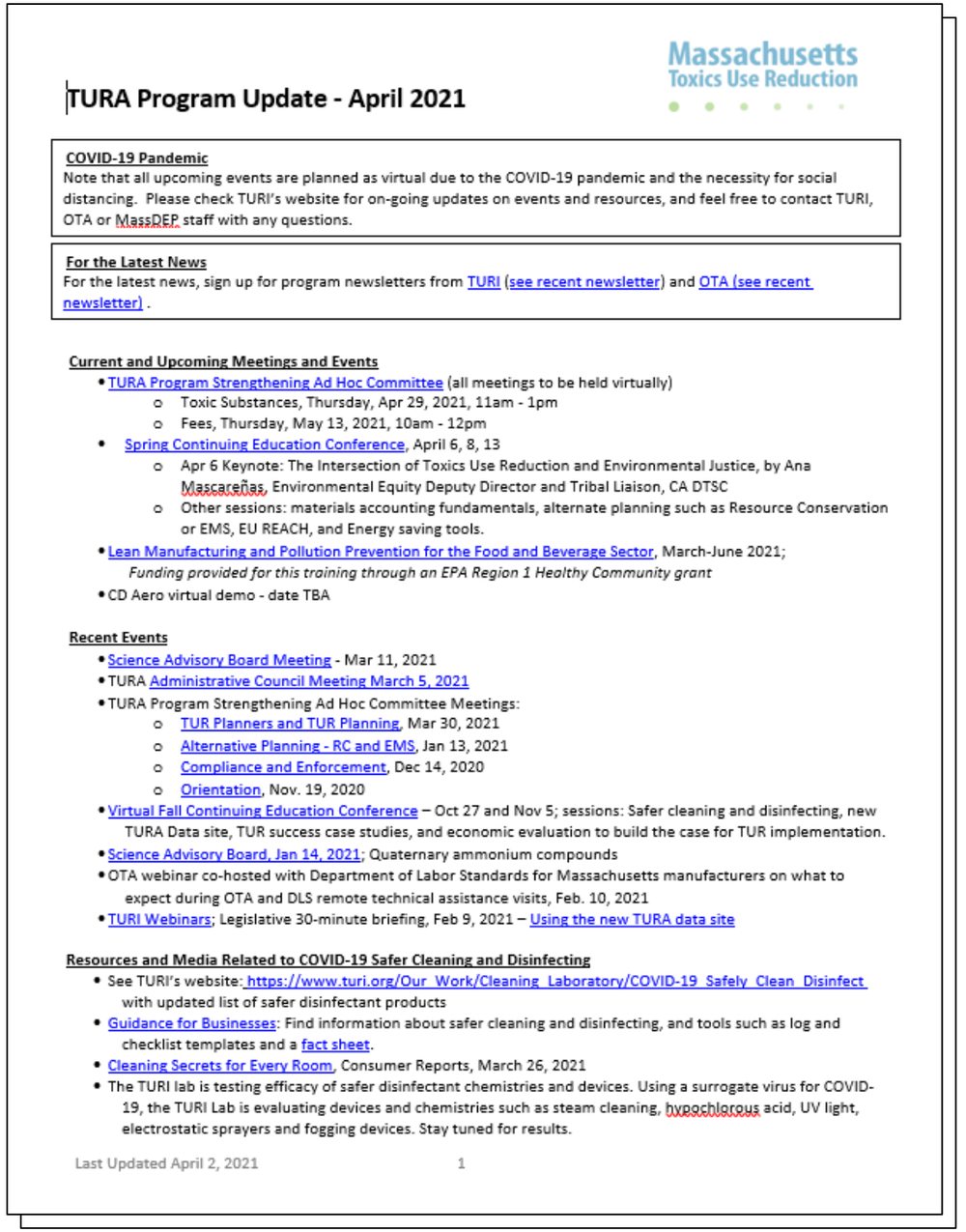
Web links to resources, meeting materials and information are provided on written program update



TURA Program Update - April 2021

Massachusetts Toxics Use Reduction

COVID-19 Pandemic
Note that all upcoming events are planned as virtual due to the COVID-19 pandemic and the necessity for social distancing. Please check TURI's website for on-going updates on events and resources, and feel free to contact TURI, OTA or MassDEP staff with any questions.

For the Latest News
For the latest news, sign up for program newsletters from TURI (see recent newsletter) and OTA (see recent newsletter) .

Current and Upcoming Meetings and Events

- TURA Program Strengthening Ad Hoc Committee (all meetings to be held virtually)
  - Toxic Substances, Thursday, Apr 29, 2021, 11am - 1pm
  - Fees, Thursday, May 13, 2021, 10am - 12pm
- Spring Continuing Education Conference, April 6, 8, 13
  - Apr 6 Keynote: The Intersection of Toxics Use Reduction and Environmental Justice, by Ana Mascareñas, Environmental Equity Deputy Director and Tribal Liaison, CA DTSC
  - Other sessions: materials accounting fundamentals, alternate planning such as Resource Conservation or EMS, EU REACH, and Energy saving tools.
- Lean Manufacturing and Pollution Prevention for the Food and Beverage Sector, March-June 2021;
  Funding provided for this training through an EPA Region 1 Healthy Community grant
- CD Aero virtual demo - date TBA

Recent Events

- Science Advisory Board Meeting - Mar 11, 2021
- TURA Administrative Council Meeting March 5, 2021
- TURA Program Strengthening Ad Hoc Committee Meetings:
  - TUR Planners and TUR Planning, Mar 30, 2021
  - Alternative Planning - RC and EMS, Jan 13, 2021
  - Compliance and Enforcement, Dec 14, 2020
  - Orientation, Nov. 19, 2020
- Virtual Fall Continuing Education Conference – Oct 27 and Nov 5; sessions: Safer cleaning and disinfecting, new TURA Data site, TUR success case studies, and economic evaluation to build the case for TUR implementation.
- Science Advisory Board, Jan 14, 2021; Quaternary ammonium compounds
- OTA webinar co-hosted with Department of Labor Standards for Massachusetts manufacturers on what to expect during OTA and DLS remote technical assistance visits, Feb. 10, 2021
- TURI Webinars; Legislative 30-minute briefing, Feb 9, 2021 – Using the new TURA data site

Resources and Media Related to COVID-19 Safer Cleaning and Disinfecting

- See TURI's website: https://www.turi.org/Our_Work/Cleaning_Laboratory/COVID-19_Safely_Clean_Disinfect with updated list of safer disinfectant products
- Guidance for Businesses: Find information about safer cleaning and disinfecting, and tools such as log and checklist templates and a fact sheet.
- Cleaning Secrets for Every Room, Consumer Reports, March 26, 2021
- The TURI lab is testing efficacy of safer disinfectant chemistries and devices. Using a surrogate virus for COVID-19, the TURI Lab is evaluating devices and chemistries such as steam cleaning, hypochlorous acid, UV light, electrostatic sprayers and fogging devices. Stay tuned for results.

MassDEP Annual TURA Form S Reporting

Massachusetts Toxics Use Reduction

- eDEP TUR reporting for RY2020 going live later in April
- Annual training on-line – will be posted by end of April
- Guidance and instructions available on MassDEP website

Newly Reportable Substances

Massachusetts Toxics Use Reduction

Nonylphenol ethoxylates (NPEs)

- TRI/EPCRA category of 13 specific chemicals
- First reports due July 1, 2021 (for RY 2020)
  - Note: NPE category was reportable under TRI in 2020 for RY 2019

Addition of TRI NDAA PFAS chemicals

- 172 PFAS added to TRI for RY2020 and TURA for RY2021
  - 14 specific long-chain and GenX PFAS, plus 158 precursor PFAS
  - Individually listed with 100 lb reporting threshold
- 3 additional PFAS added to TRI for RY2021, Council will add to TURA no earlier than RY2022

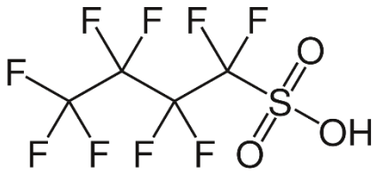
TURA PFAS Policy Analysis

Massachusetts Toxics Use Reduction

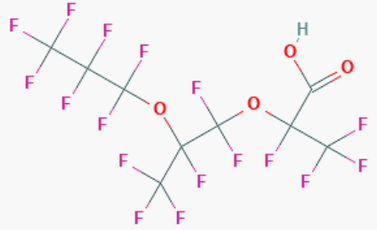
Proposed PFAS category recommended by SAB includes:

Those PFAS that contain:

- A perfluoroalkyl moiety with three or more carbons (e.g., $-C_nF_{2n}-$, n ≥ 3; or $CF_3-C_nF_{2n}-$, n≥2) or
- A perfluoroalkylether moiety with two or more carbons (e.g., $-C_nF_{2n}OC_mF_{2m}-$ or $-C_nF_{2n}OC_mF_m-$, n and m ≥ 1), and
- PFAS that are not otherwise listed



PFBS



HFPO-Trimer Acid

PFAS Resources

Massachusetts Toxics Use Reduction

OTA Supplier notification letter template

OTA technical assistance

Gathering use and product information

TURA PFAS NOL Policy Analysis

SAB – scientific hazard information

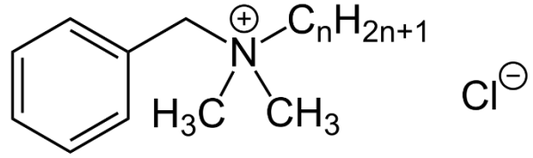
AFFF alternatives

NEWMOA Webinars

Science Advisory Board

Massachusetts Toxics Use Reduction

- Quaternary ammonium compounds
  - Two subcategories used in disinfectants: ADBAC and DDAC

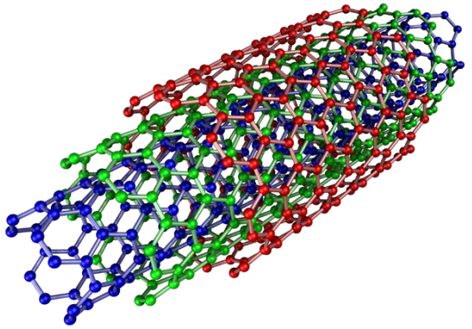


n = 8, 10, 12, 14, 16, 18

e.g., ADBAC, or Benzalkonium chloride

Source: Wikipedia

- SAB also deliberating on Nanomaterials – petition to list carbon nanotubes and carbon nanofibers



e.g., Triple-walled carbon nanotube

Source: Wikipedia

MassDEP – Flame Retardant Law

Massachusetts Toxics Use Reduction

- Covered flame retardants
  - Chlorinated phosphates (TDCPP, TCEP, TCPP)
  - Chlorinated paraffins
  - Antimony trioxide
  - Brominated FRs (HBCD, TBPH, TBB, PentaBDE, OctaBDE, TBBPA)
- Covered Products
  - including bedding, carpeting, children's products, residential upholstered furniture, and window treatments

Business, Community and Academic Grants

Massachusetts Toxics Use Reduction

FY22 Request for Proposals available late April 2021

Industry Grants of up to $30,000 are for manufacturing facilities to improve processes or install technology that results in reducing toxics. Learn more. Contact Joy Onasch.

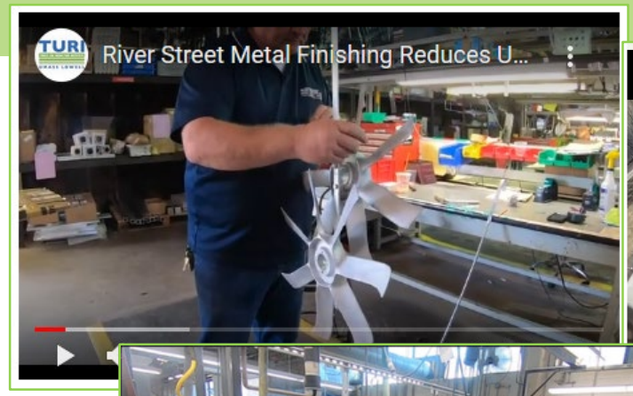
Small Business Grants of up to $10,000 are for businesses that provide services directly to consumers to change processes or replace toxics with safer alternatives. Learn more. Contact Joy Onasch.

Community Grants of up to $10,000 for local projects and up to $20,000 for regional or statewide projects are intended to create and promote healthier communities. Learn more. Contact Rachel Massey

Academic Research Grants in partnership with industry are available up to $25,000 for a one-year project and $35,000 for a two-year project. Learn more. Contact Greg Morose.

TURA Program Resources

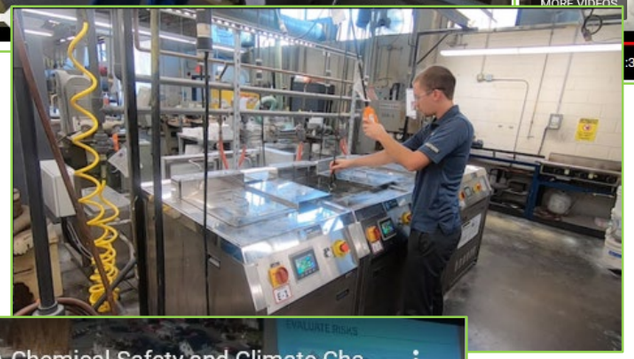
Massachusetts Toxics Use Reduction

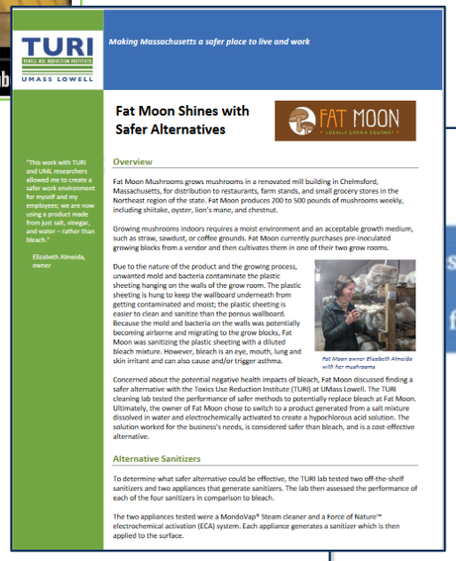


Videos, demo sites, case studies

Environmental Assistance Services for Businesses

Get free, confidential environmental assistance for your business or facility.



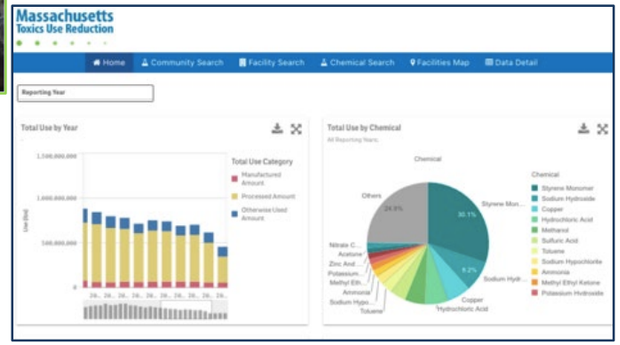


DEP

See written program update

OTA OFFICE OF TECHNICAL ASSISTANCE & TECHNOLOGY

OTA Outlook



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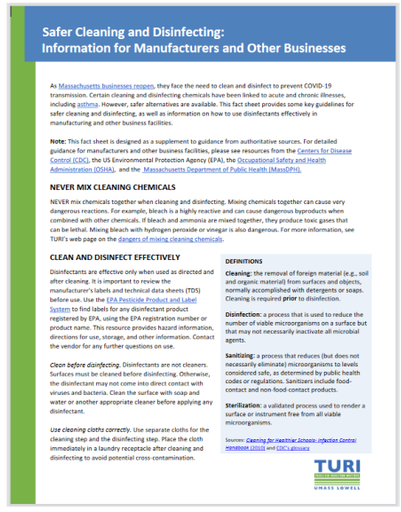
Greenlist Bulletin



Cleaning and Disinfecting information

TURA Program Strengthening Ad-Hoc Committee

Massachusetts Toxics Use Reduction

The Administrative Council has designated an ad hoc committee to review experiences since the 2006 TURA Amendments

Looking forward to the next decade and the critical priorities of Massachusetts with respect to toxic chemicals and safer materials.

TURA Program Strengthening
Ad-Hoc Committee – Topic Schedule

Massachusetts Toxics Use Reduction

- *Orientation - Nov 19, 2020*
- *Compliance and Enforcement – Dec 14, 2020*
- *Alternative Planning – RC and EMS – Jan 13, 2021*
- *TUR Planners and TUR Planning – Mar 30, 2021*
- TURA Toxic or Hazardous Substance List – Apr 29, 2021
- Fees – May 13, 2021

TURA Staff Changes

- **Tiffany Skogstrom** – OTA Director and Executive Director of TURA Administrative Council

Retirements

- **Marina Gayl** at OTA will be retiring soon – we appreciate her many valuable contributions and dedication and wish her well!

OTA Virtual Site Visits

Massachusetts Toxics Use Reduction

Chemists and Engineers available by:

- Virtual Zoom site visits
- Phone
- Email

Forms of Assistance:

- Toxics Use Reduction
- Regulatory and Compliance
- Resource conservation
- Pollution prevention
- Identifying PFAS products

Environmental Justice

Massachusetts Toxics Use Reduction

44% of company site visits conducted in FY 2019 were in or within a half mile of EJ communities

OTA will work more thoughtfully within and provide resources to the EJ community

Contact us any time!

Massachusetts Toxics Use Reduction

TURI questions:

Liz Harriman harriman@turi.org

TURI Staff: https://www.turi.org/About/Staff_List

OTA questions:

Tiffany Skogstrom Tiffany.skogstrom@mass.gov

OTA Staff: https://www.mass.gov/service-details/otas-team

MassDEP questions:

Planning: Lynn Heisey Cain lynn.cain@mass.gov

Reporting: Walter Hope walter.hope@mass.gov

C&E: Veronica Wancho O'Donnell veronica.odonnell@state.ma.us