



TURA Partner's Update

TUR Planner Continuing Education Conference
Nov. 16, 2017
Taunton, MA



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Final Amnesty Counts

- 118 Companies Participated
 - 25 New
 - 26 Former Reporters
 - 67 Current Reporters (22 ongoing since 1990)
 - 35 Notified they were Amnesty Filers
- 183 Chemicals RY 2010 - 2015
 - 418 Individual Form S's on 91 Different Chemicals '
 - 101 Chemicals were "new" for facility
 - 82 Chemicals were reported in prior years

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Pounds of "Amnesty" Chemical Use

- Millions of Pounds of Use Brought into System
 - 11 million pounds as of Ry 2015
 - 5.6 million pounds of newly reported chemicals
 - 5.7 million pounds of formerly reported chemicals
 - 27 million pounds as of RY 2016
- Reported Use Dropped for Most Amnesty Chemicals
 - Less RY 2016 use than RY 2015 use for 68% of the chemicals

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Self-Disclosure Remains Advantageous

- **New Terms:**
 - “New to TURA” facilities that notify MassDEP promptly: one year back report, fees and late fee, Warning letter
 - 2 Years back reports and fees and NON for other self-disclosures
 - 4 Years if MassDEP discovers the lapse
- **Don’t try and “slip in”**
 - Formal Requests for Information for new chemicals reported without “notification”

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TURA Chemical List – RY2017

- **TDI as Higher Hazard Substances**
 - 3 TDI CAS #'s Reportable as HHS for **RY 2017**
 - 2,4-TDI – CAS 584-84-9
 - 2,6-TDI – CAS 91-08-7
 - TDI mixed isomers – CAS 26471-62-5
 - 1000 lb reporting threshold for processed, manufactured and otherwise used
- **EPCRA TRI Nonylphenol category (RY2015 for TRI)**
 - Delimited category including 6 CAS #

•4-Nonylphenol – CAS 104-40-5	•4-Isononylphenol – CAS 26543-97-5
•Isononylphenol – CAS 11066-49-2	•4-Nonylphenol, branched – CAS 84852-15-3
•Nonylphenol – CAS 25154-52-3	•Nonylphenol, branched – CAS 90481-04-2

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TURA Chemical List – RY2018

- **HBCD Category adopted from EPCRA TRI**
 - **Hexabromocyclododecane, delimited category – RY2018**
 - CAS # 3194-55-6 (1,2,5,6,9,10-hexabromocyclododecane)
 - CAS # 25637-99-4 (hexabromocyclododecane)
 - (note: reportable under TRI for RY2017)
 - Brominated flame retardant used mainly in expanded polystyrene foam (EPS) and extruded polystyrene foam (XPS)

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2018 is a Planning Year!

- Notifications to Employees due by Jan 1, 2018
- Remember plans are due for EACH chemical used over the threshold in RY 2017 that was also reported in ANY prior year
 - Pay particular attention to recent HHS (nPB, HF, DMF, cyanide cmpds) and amnesty chemicals
- Think about Resource Conservation Planning this year!
- Remember to renew your TURP Certifications or line up a TURP

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TURI FY18 Grants

Industry

Small Business

Academic Research

Community

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Industry Grants

- Kettle Cuisine – Lynn
 - Cleaning and sanitization, CIP,
- OFS Optics – Sturbridge
 - HF integral recycling
- US Pack, Inc. – Leominster
 - More efficient batch processing of auto, industrial and household cleaning formulations



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Small Business

- Auto Collision Shop, Assabet Valley Technical HS - Marlboro
 - Water-based gun washer
- Joseph Cleaners - Brockton
 - Dedicated wet cleaning
- Walker's Gymnastics and Dance - Lowell
 - Non flame retardant foam pit cubes



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Academic Research

- Safer solvents for textile coatings
 - Prof. Nagarajan (Plastics Engr. - UMass Lowell)
 - Industry partner: Bradford Industries - Lowell
- Alternatives to antimony trioxide in wire coating
 - Prof. Kumar (Physics) and Prof. Nagarajan (Plastics Engr.)
 - Industry partner: Mexichem Specialty Compounds - Leominster



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Academic Research

- Safer solvents for liquid chromatography
 - Prof. Wong (Chemical Engr. - UMass Lowell)
 - Industry partner: Waters Corporation - Milford
- Safer alternatives to methylene chloride for high performance coatings removal
 - Prof. Hansen (Mechanical Engr. - UMass Lowell)
 - Industry partner: TBD



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Community

- Field Fund – Martha’s Vineyard
 - Organic playing fields
- Silent Spring Institute - Newton
 - Reducing high school student exposure to carcinogens and endocrine-disrupting chemicals
- Town of Williamstown
 - Pollinator-friendly community, reducing use of pesticides and herbicides
- Worcester Public Schools
 - safer cleaning and sanitizing in food service and buses

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TURI FY19 Grant RFP

Industry

Small Business

Academic Research

Community

- RFPs out in April 2018
- Responses due in June 2018
- Funding decisions made by August 2018

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Upcoming Training Events

Resource Conservation Planning – Day 1 and 2

- February 5th and 12th

Webinars

- Nanotechnology Use and Implications – Dec 7, 2017
- P2OASys Relaunch – Jan 8, 2018
- Artificial Turf alternatives Feb 27, 2018

OTA Climate Resiliency Workshops – Spring (TBA)

Spring TURP continuing education conference

- April 26 in Marlborough

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