EBC Connecticut Workshop:

Beer & PCBs - An Introductory Workshop on PCB Assessment and Remediation
Welcome

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Introduction & Workshop Overview

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Interactive Question & Answer

Malcolm Beeler

Program Chair & Moderator

PCB Technical Leader, Weston & Sampson
welcome
PCB Trivia Quiz

EBC PCB and AP Subcommittees

November 1, 2017
• 23 Questions
• Keep Your Own Score
• No Prizes
• Save Questions for the Open Panel Discussion
• Let’s Begin
Pick Out the PCB Molecule

A)  

B)  

C)  

D)
Why the Concern About PCBs?

a) Known human carcinogen
b) Suspected human carcinogen
c) It’s going to be really expensive
d) They make everything taste like chicken
What Legislation Authorized Regulation of PCBs by EPA?

a) National PCB Policy Act
b) Clean Water Act
c) Clean Air Act
d) Toxic Substance Control Act
Disposal of PCBs is defined by EPA as?

a) Intentionally or accidentally to discard, throw away, or otherwise complete or terminate the useful life of PCBs
b) Spills, leaks, and other uncontrolled discharges of PCBs
c) Actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs
d) All of the above
What is a PCB Remediation Waste?

a) A waste generated from the demolition of PCB-containing building materials

b) **A waste that contains PCBs from a spill, release, or other unauthorized disposal**

c) Fluids drained from PCB-containing electrical equipment

d) A waste that fails PCB leachability testing
At What Concentration are PCBs Regulated as Remediation Waste?

a) Materials disposed of prior to April 18, 1978, that are currently at concentrations ≥ 50 ppm PCBs, regardless of the concentration of the original spill

b) Materials which are currently at any volume or concentration where the original source was ≥ 500 ppm PCBs beginning on April 18, 1978, or ≥ 50 ppm PCBs beginning on July 2, 1979

c) Materials which are currently at any concentration if the PCBs are spilled or released from a source not authorized for use under this part

d) All of the above
What Options are Available for Disposal of PCBs?

a) Self-Implementing Cleanup Plan
b) Performance-Based Disposal
c) Risk-Based Disposal
d) All of the above
What does Subpart N of 40 CFR Part 761 Describe?

a) Disposal of PCB remediation waste
b) Cleanup site characterization for PCB remediation waste
c) Disposal of PCB Bulk Product waste
d) Risk standards for cleanup of PCB
What Agency has Primacy in the Regulation of PCBs in CT?

a) Connecticut DPH  
b) Connecticut DEEP  
c) Environmental Protection Agency  
d) All of the above
Can PCB-Impacted Soil be Rendered Inaccessible Under the RSRs?

a) Yes

b) No
CT DEEP Requirements for Remediating Building Materials are?

a) A guidance document developed based upon Connecticut General Statutes without comment

b) A Regulation of Connecticut State Agencies developed following comment
What is a PCB Bulk Product Waste?

a) Waste weighing more than 2000 pounds
b) Drained PCB containing electrical equipment
c) Soil, sediment, and other environmental media that fails PCB leachability testing
d) Waste derived from manufactured products containing non-liquid PCBs
What is the Most Common Category of PCB Bulk Product Waste?

a) Electrical equipment  
b) **Building materials**  
c) Pre-cast concrete products  
d) Carbonless copy paper
Are Owners of Building Required to Test for PCBs Prior to Disposal?

a) Yes  
b) No  
c) Only for caulking  
d) Only in public buildings
What is this?

a) Sign for PCB-Contaminated Transformers

b) MSDS Label for PCBs

c) The M₃ mark

d) Sign for PCB Transformer
What was the Most Common Use for PCBs?

a) Transformers and capacitors
b) Caulks, paints, and other building materials
c) Carbonless copy paper
d) Rice Oil
Product Name Used by Monsanto for Sale of PCB Mixtures?

a) Therminol
b) Kanechlor
c) Aroclor
d) Pyranol
What are Three Ways to Quantify PCB Concentrations?

a) Low, medium, and high level analyses 

b) Percent, ppm, mg/kg 

c) Aroclors, homologs, congeners 

d) Sweet, salty, and spicy
What Should You Know about PCB Congener Analysis?

a) It’s very expensive
b) Best data for risk assessment
c) Tricky analysis and data should be validated
d) All of the above
What Should You Know about PCB Homolog Analysis?

a) It’s expensive

b) Data useless for risk assessment

c) Required by EPA Region 1 for Indoor Air

d) All of the above
According to EPA PCB Risk Exposure Modeling, What is the Largest Contributor to Exposure to PCBs?

a) Diet
b) Inhalation
c) Absorption
d) Dermal Exposure
For Risk Assessment, What Does TEF Mean?

a) Total Equivalency Factor
b) **Toxicity Equivalence Factor**
c) Transmogrifier Effects Favorable
d) None of the Above
What Should you Know About this PCB Congener?

a) PCB-126 – Most Toxic Congener
b) PCB-11 - Non-Aroclor Congener
c) TEF of 0.1
d) Both a and c
thank you

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Panel Question & Answer

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