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ASBA TECHNICAL MEETING & TRADE SHOW
DECEMBER 3-6, 2024 | ORLANDO, FLORIDA

Environmental Hazards Demo/Disposal

Athletic Facilities

What to look for, how to test & properly address challenges



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Michael Berta, AERO Environmental Services

- 37 Years of EHS Experience
 - Safety Professional
 - Industrial Hygiene Professional
 - General Industry & Construction
- Authorized OSHA 10 & 30 Hr Instructor

Michael Berta
AERO Environmental Services
Manager EHS
973 920 9061 (Tel or Text)
973 529 0335 (Fax)
275 Rt 10 East, 220-306
Succasunna, NJ 07876



Overview - Where are the Hazards/Concerns?



- Gymnasium Floors (Wood & Synthetic)
- Stages
- Multipurpose Rooms
- Running Tracks (Indoor & Outdoor)
- Fitness Rooms
- Other – Offices, Classrooms



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Environmental Hazards Demo/Disposal

- Architects
- Restoration Companies
- Industrial Hygiene Professionals
- Safety Professionals

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Environmental Hazards Demo/Disposal

- Federal Regulatory Agencies
- State Regulatory Agencies
- Local Regulatory Agencies



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Who's Watching or Helping?

- EPA (Federal & State)
 - Air
 - Water
 - Waste Disposal



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Who's Watching or Helping?

- OSHA
 - Worker Safety
 - Physical Hazards
 - Health Hazards
 - Accident Records – Log 300

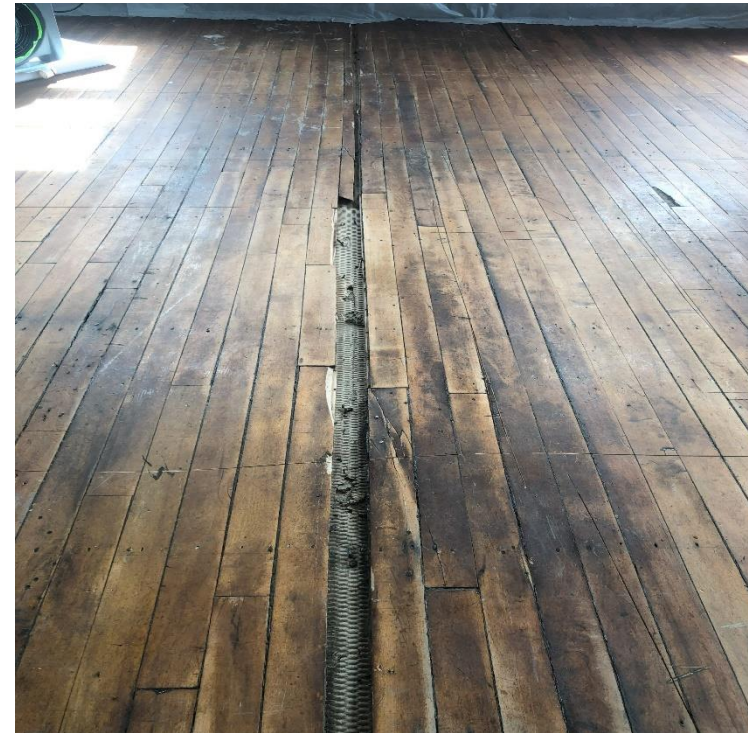


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Areas of Hazards/Concern

- Moisture
- Asbestos
- Mercury
- Lead
- Mold
- Air Particulates



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Areas of Concern

- Moisture
 - What to look for
 - Hydrostatic Moisture
 - Ways to mitigate

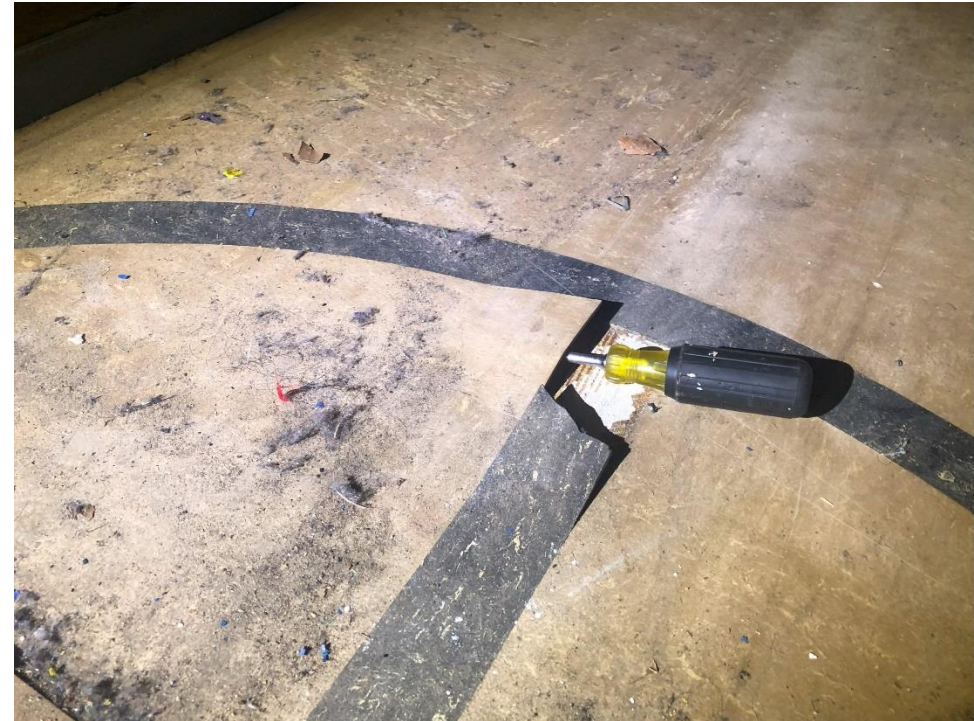


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Areas of Concern

- Asbestos
 - Floor Sheeting/Linoleum
 - VAT Vinyl Asbestos Tile

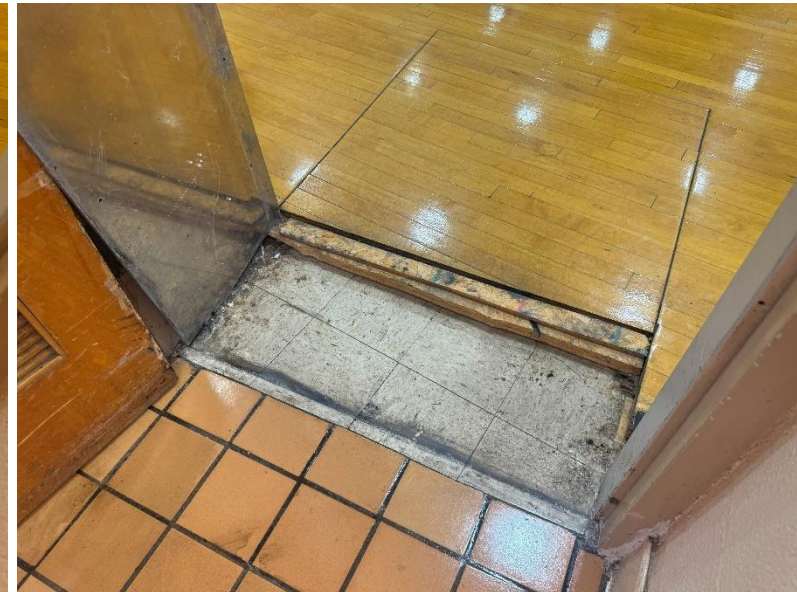
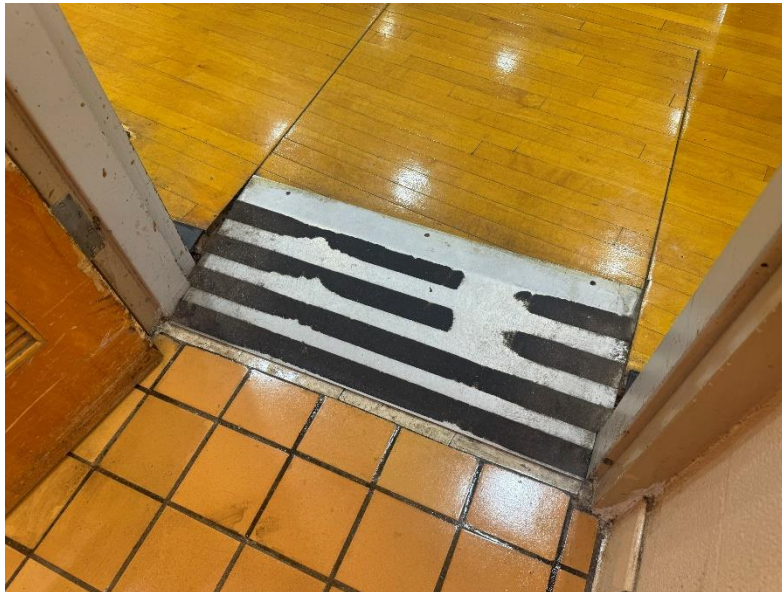


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Areas of Concern

- Asbestos
 - Hardwood
 - Adhesives
 - Cork
 - Vapor Barriers
 - Concrete Slab



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Areas of Concern

- Mercury
 - Multiple Layers of Contamination
 - Federal RCRA Testing Requirements
 - Total Mercury (Hg)
 - TCLP
 - Federal & State Waste Disposal Requirements



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Areas of Concern

- Mercury
 - Multiple Layers of Contamination
 - Core Sampling
 - All Layers



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Areas of Concern

- Multiple Layers of Contamination
 - Removal



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Areas of Concern

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Areas of Concern

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Areas of Concern

- Mercury
 - Federal & State Waste Disposal Requirements



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Areas of Concern

- Mercury
 - Air Particulates



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Areas of Concern

- Mercury
 - Air Particles



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Areas of Concern

- Air Particles
 - Respirators
 - Canister
 - N95/P100



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Areas of Concern

- Air Particles
 - Grinders
 - Propane
 - Air Particulates



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Areas of Concern

- Air Particles
 - Negative Air Pressure
 - Importance
 - Filters



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Personal Protective Equipment

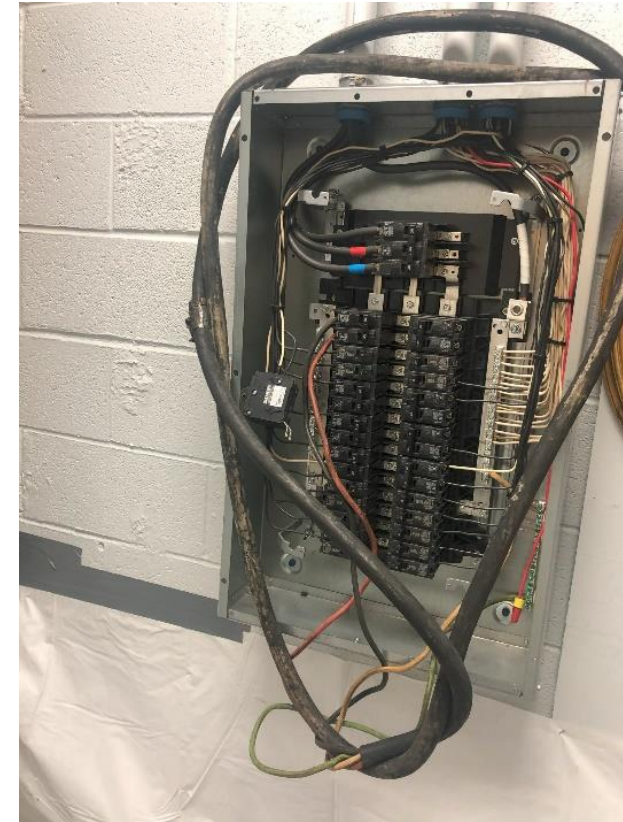
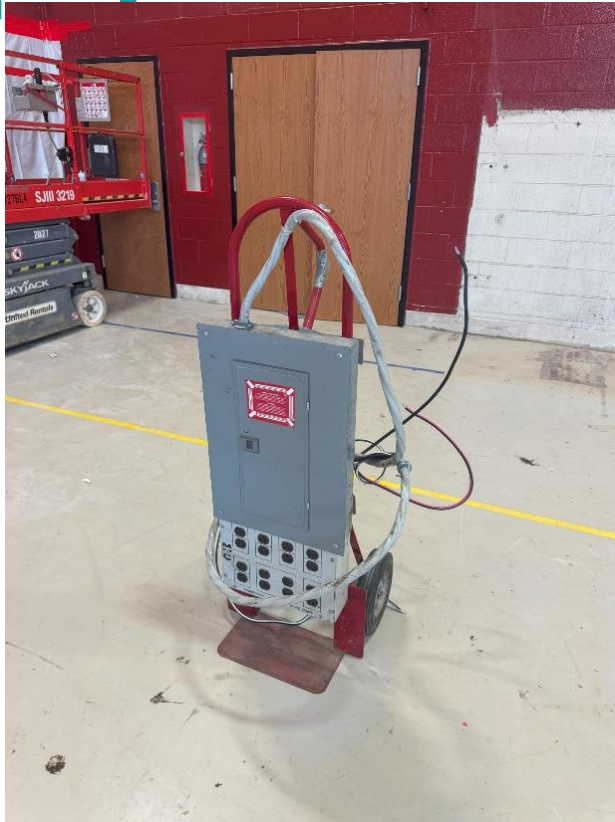
- Major categories
 - Head protection
 - Eye and face protection
 - Respiratory protection
 - Hand protection
 - Foot protection



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Equipment & Supplies



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Questions & Answers

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