
N.C. Department of Labor OSH Division

- *Practical Industrial Hygiene
Compliance*



For Public Official's Use Only

Objectives

- Present practical methods for conducting IH inspections
 - Noise
 - Air Sampling
 - Expanded Health Standards
 - Bloodborne Pathogens
 - General Industry vs. Construction
 - IH Fat/Cats
- Discuss IH case studies
- Become familiar with procedures and techniques used by HCO during IH inspections



Case Studies

- **Background information**
- **Hazard anticipation and recognition**
 - File photos
 - Determine which standards may be involved
- **Hazard evaluation**
 - Sampling methodology, forms, results
 - Equipment needed



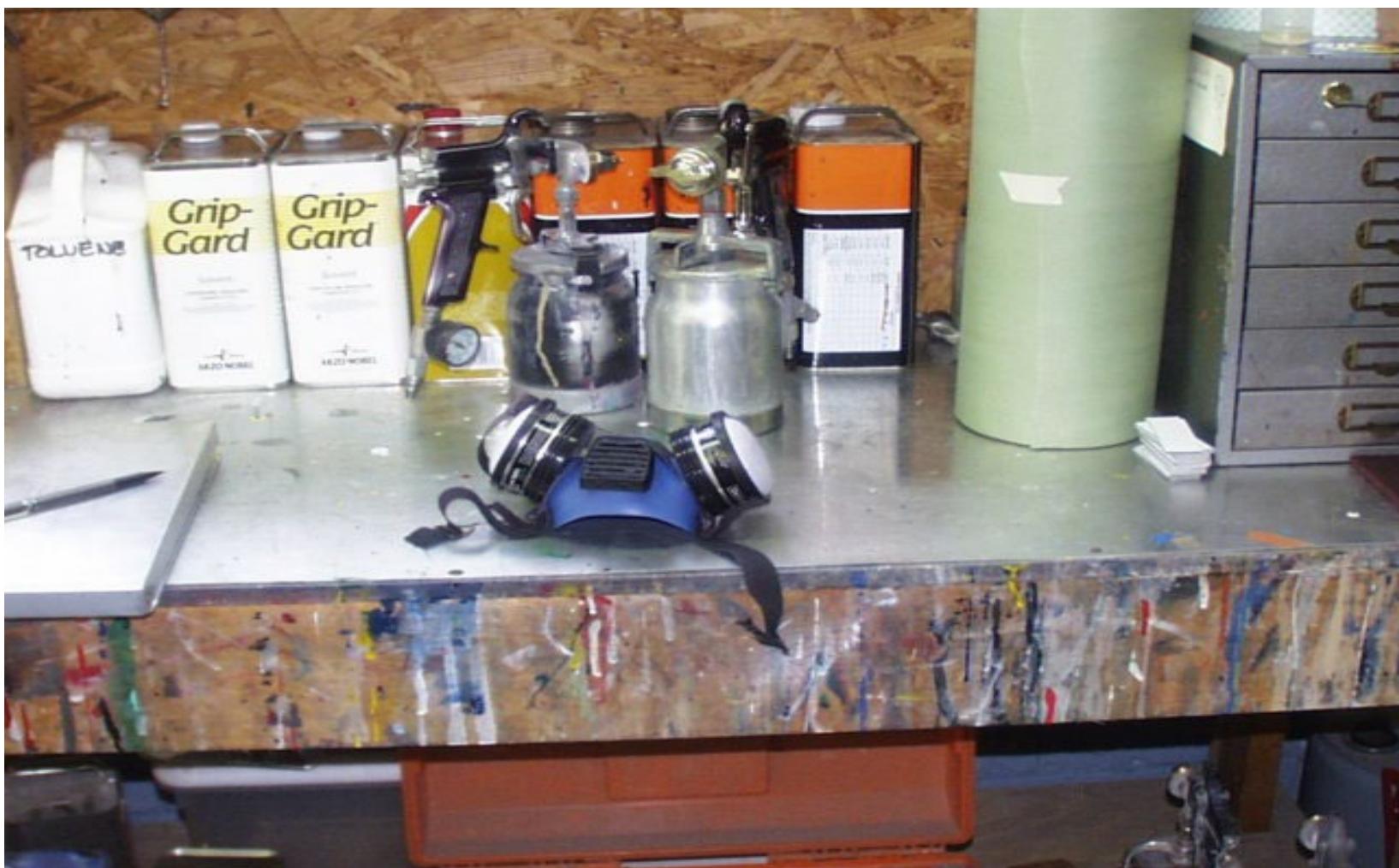
Case Studies

- **Hazard documentation**

- List of possible violations
- Information needed to substantiate each violation
- Hazard assessment – What is the hazard and the most probable injury/illness?
- Severity/probability assessment
- Putting it all together in an OSHA 1b



Case Studies



Case Studies



Case Studies



Case Studies



Air Sampling

- When is air sampling necessary?
 - Complaints?
 - General Schedule?
 - SST Inspections?
 - Special Emphasis Programs (e.g. Lead, Silica)?
- Can you do screen sampling?
 - What equipment is available for screening?



Air Sampling

- Which contaminants do you sample for?
 - MSDS's
 - Use of "profile" sampling
 - What type of media?
 - Sampling flow rates
 - Total sampling volume



Air Sampling

- **Sampling procedures**

- Which employees will you sample?
- Pump placement/securing
 - » Tubing
 - » Welding helmets
 - » Supplied air respirators
- How do you handle lunches/breaks?
- How do you handle pump faults?



Case Studies



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Case Studies



Case Studies



Case Studies



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Expanded Health Standards

- Standards promulgated by 6(b) rulemaking, including:
 - Asbestos
 - Lead
 - Formaldehyde
 - Methylene Chloride
 - Cotton dust
 - A number of carcinogens



Case Studies



Expanded Health Standards

- The OSH Act under paragraph 6(b)(7) specifies what must be included in these standards:
 - Exposure monitoring or measurements
 - Appropriate PPE
 - Labeling and employee training
 - Medical surveillance



Expanded Health Standards

- What procedures will you follow when a regulated contaminant is identified?
 - Monitoring results
 - Written compliance program
 - Medical records
 - Training records
- Will you need to sample?
- How will this info be confirmed?



Bloodborne Pathogens

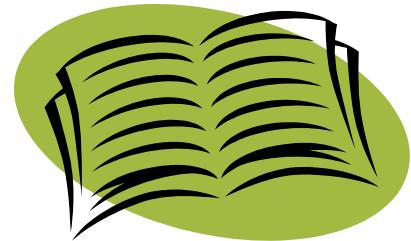
29 CFR 1910.1030

- Who is covered by this standard?
- How about First Aid providers?
 - Collateral duty
 - Post exposure HBV Vaccinations
- How can training and HBV Vaccinations be confirmed?



Program Evaluation

- “Program” vs. “Written program”
 - 1910.38 – Emergency action
 - 1910.95 – Noise
 - 1910.146 – Permit-Required Confined Spaces
 - 1910.147 – LO/TO
 - 1910.1000 – PELs
 - 1910.1030 – BBP
 - 1910.1xxx – Expanded Health Standards



Thank You For Attending!

Final Questions?

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