

# Managing Category I and II ACM During Decontamination and Demolition



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**BJC ETTP Classification & Date**

**Information Control Office**

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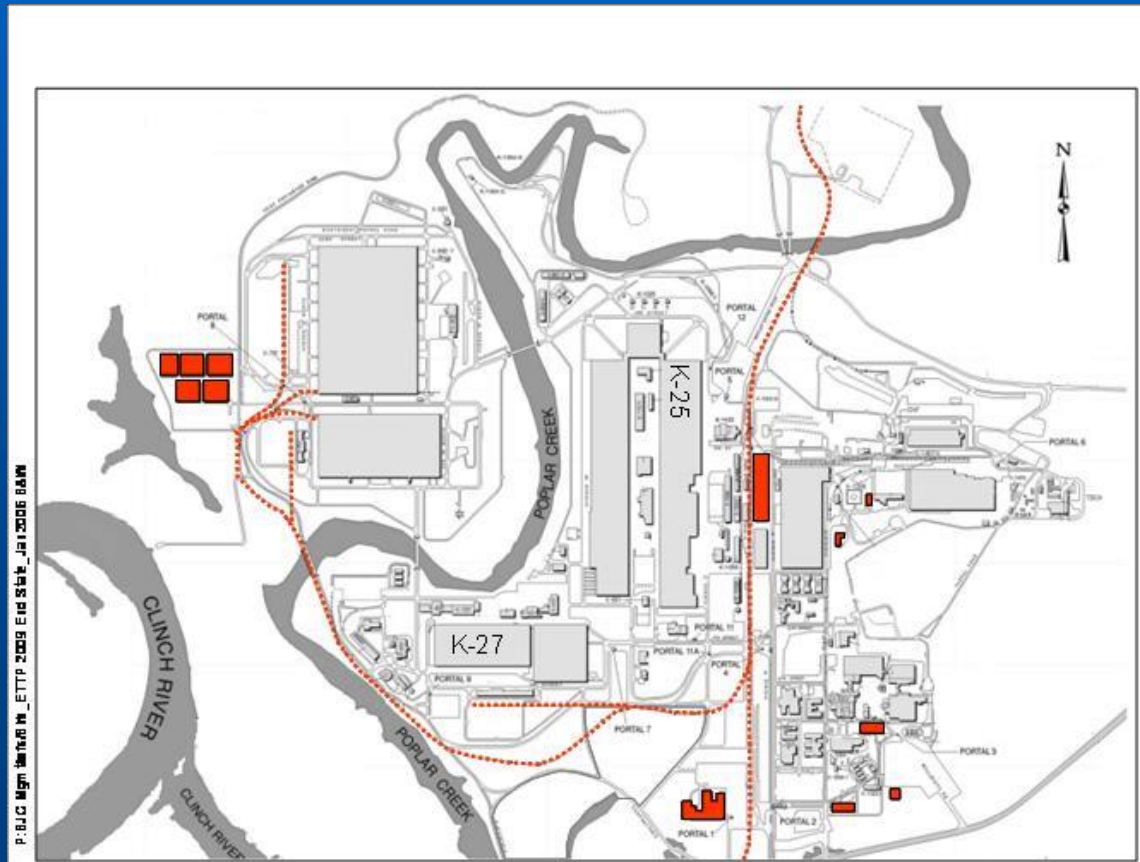
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- **BJC Asbestos Technical Expert**
- **Worked in IH at ETTP since 1989**
- **BS Degree in Environmental Science**

# Introduction



# ETTP Site Map



# ETTP Remaining Facilities D&D Project

- 525 surplus facilities to be D&D at the ETTP.
- Challenges presented early in the project with asbestos abatement.
  - - very costly
  - - very time consuming and labor intensive.
  - - higher injury rates (cuts, strains, heat stress)
- Six Sigma Project established to find more efficient D&D method
  - - reduce the amount of asbestos removed from the buildings
  - - reduces risk due to challenges above.

# K-1320





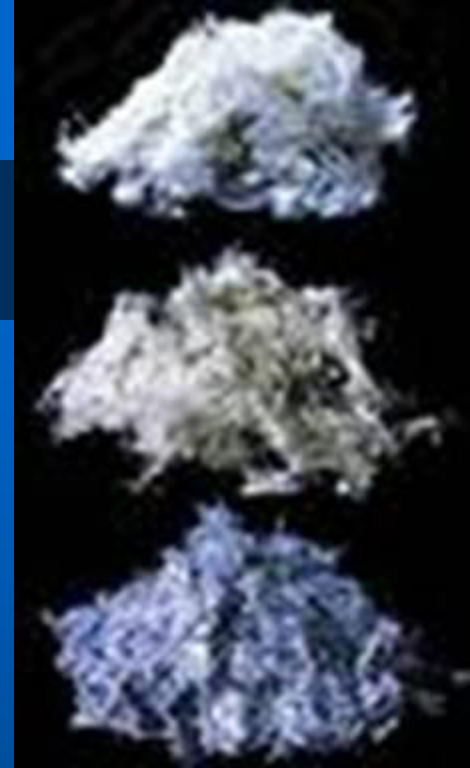
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# Regulations

- **OSHA – Worker Protection**
- **Four Classes of Work**
  - **Class I – TSI and Surfacing**
  - **Class II – Other than TSI/Surfacing**
  - **Class III – Maintenance**
  - **Class IV – Janitorial**

**OSHA does not mandate removal of ACM  
prior to building demolition**





# EPA Category I and II Materials



# Practical Application

- **Key Players**

- **Regulators**

- EPA (Region 9)
- TDEC

- **Landfill**

- Onsite Landfills (Y-12 Sanitary Landfill/EMWWMF)

- **Asbestos Inspector**

- **Asbestos Project Designer**

- **Two Cases at ETTP**

# Controls

- **Inspections**
- **Regulated Areas**
- **Air monitoring**
- **Personal Protective Equipment**



# Controls

- **Wet methods**
  - Use of surfactant with misters
- **Dedicated trucks**
  - Leak tight/dust tight
  - Supersacks
    - Lace closure vs. zipper closure



# Advantages to Approach

- **Enhanced safety**
- **Shortened schedules**
- **Increased productivity**
- **Cost savings**

# Conclusion/Questions