

## Webinar Housekeeping

- Please contact Jane Hayes at 800.541.4591, extension 1128 or jhayes@brsrisk.com if you are having audio difficulties or need an emailed handout.
- Questions can be submitted to the moderator at any time using the question or chat boxes
- Questions will be answered at the end of the webinar.



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## Confined Spaces



### Are They Safe to Enter?

September 7, 2011



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## Agenda

- Definitions and basics
- Confined space hazards
- Hazard controls
- Rescue
- Training and education
- Frequently asked questions



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## Regulations

- Code of California Regulations (CCR) Title 8
  - Section 5156
  - Section 5157
  - Section 5158

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### Almost \$400K Penalty Proposed in Confined Space Death

#### Four Willful Citations:

- §5157(c)(3) Unauthorized Entry = \$70,000
- §5157(d)(1) Measures to Prevent Entry = \$70,000
- §5157(d)(4) Provide Necessary Equipment = \$70,000
- §5157(d)(9) Rescue = \$70,000




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### Almost \$400K Penalty Proposed in Confined Space Death

#### Six Serious Citations:

- §5157(k)(3)(b) Retrieval Systems = \$22,500
- §5157(k)(1) Entry Rescue = \$22,500
- §5157(d)(6) Outside Attendant = \$11,250
- §5157(c)(7) Reclassifying the Space = \$11,250
- §5157(c)(4) Written Program/Procedures = \$11,250
- §5194(h)(2)(E) Hazard Communication Training = \$22,500




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## Definitions

- **Reclassification**
  - Non-Permit Confined Space (NPCS)
  - Controlled versus eliminated
- **Alternate Procedures**



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## Confined Space Hazards Hazard Controls

- **Atmospheric Hazards**
  - Ventilation
  - Respiratory protection



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## Hazard Controls

- **Physical Hazards**
  - Isolation
    - Lockout/Tagout and Blockout
    - De-energizing



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## Hazard Controls

- Personal Protective Equipment (PPE)
- Communication System



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## Necessary Equipment

- Testing and Monitoring
- Ventilating
- Communication
- PPE
- Lighting
- Barriers and Shields
- Ladders (Safe Ingress and Egress)
- Rescue and Emergency
- Any Other Equipment Necessary for Safe Entry



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## Rescue

- Self Rescue
- Non-Entry Rescue
- Entry Rescue
  - On-site Team
  - Off-Site Team



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## Training and Education

- Atmospheric monitoring and ventilation
- Communication
- Emergency, self-rescue and rescue operations
- Hazard communication
  - Material Safety Data Sheets (MSDS)
- Hazard recognition and control
- Injury and Illness Prevention Program (IIPP)
- Permit system
- Personal protective equipment, first aid and CPR
- Signs, symptoms, and consequences of exposure

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## Training and Education

- Respiratory protection
- Electrical safety
- Lockout/Tagout/Blockout
- Equipment-specific issues
- Fall protection
- Noise




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## Misconceptions

- Large enough to enter
- A confined space is an enclosed space
- All permit-required confined spaces must be labeled with a sign
- Confined space recognition
- Permit duration




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## Misconceptions

- Any space can be reclassified
- Rescue
- Atmospheric Monitoring
- System effectiveness



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## References

Cal/OSHA Confined Space Guide –  
Is It Safe To Enter A  
Confined Space



[http://www.dir.ca.gov/dosh/dosh\\_publications/ConfSpa.pdf](http://www.dir.ca.gov/dosh/dosh_publications/ConfSpa.pdf)



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## References



- NIOSH/CDC  
<http://www.cdc.gov/niosh/topics/confinedspace/>



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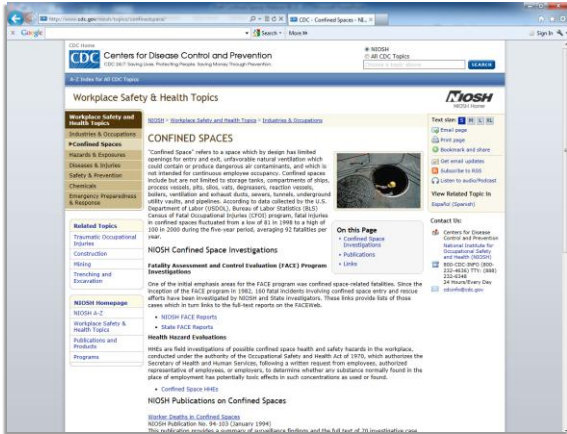
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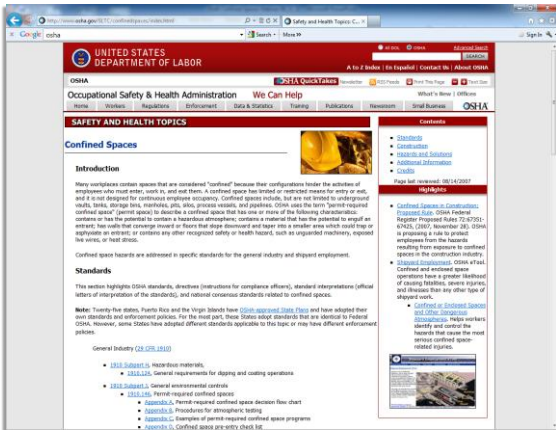
## References

Federal OSHA

<http://www.osha.gov/SLTC/confinedspace/s/index.html>



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## References

Oregon OSHA

[http://www.orosha.org/subjects/confined\\_spaces.html](http://www.orosha.org/subjects/confined_spaces.html)



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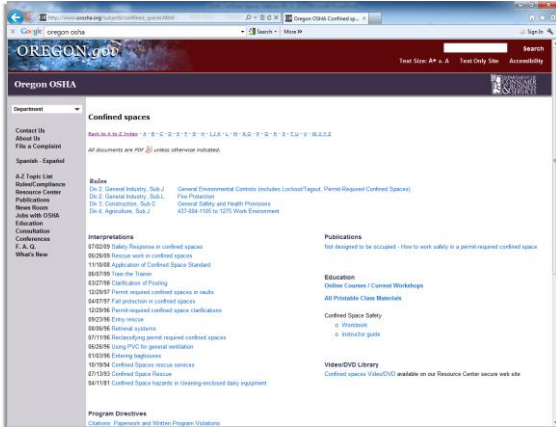
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## References

Washington State Department of Labor and Industries

<http://www.lni.wa.gov/safety/topics/atoz/to pic.asp?KWID=65>



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