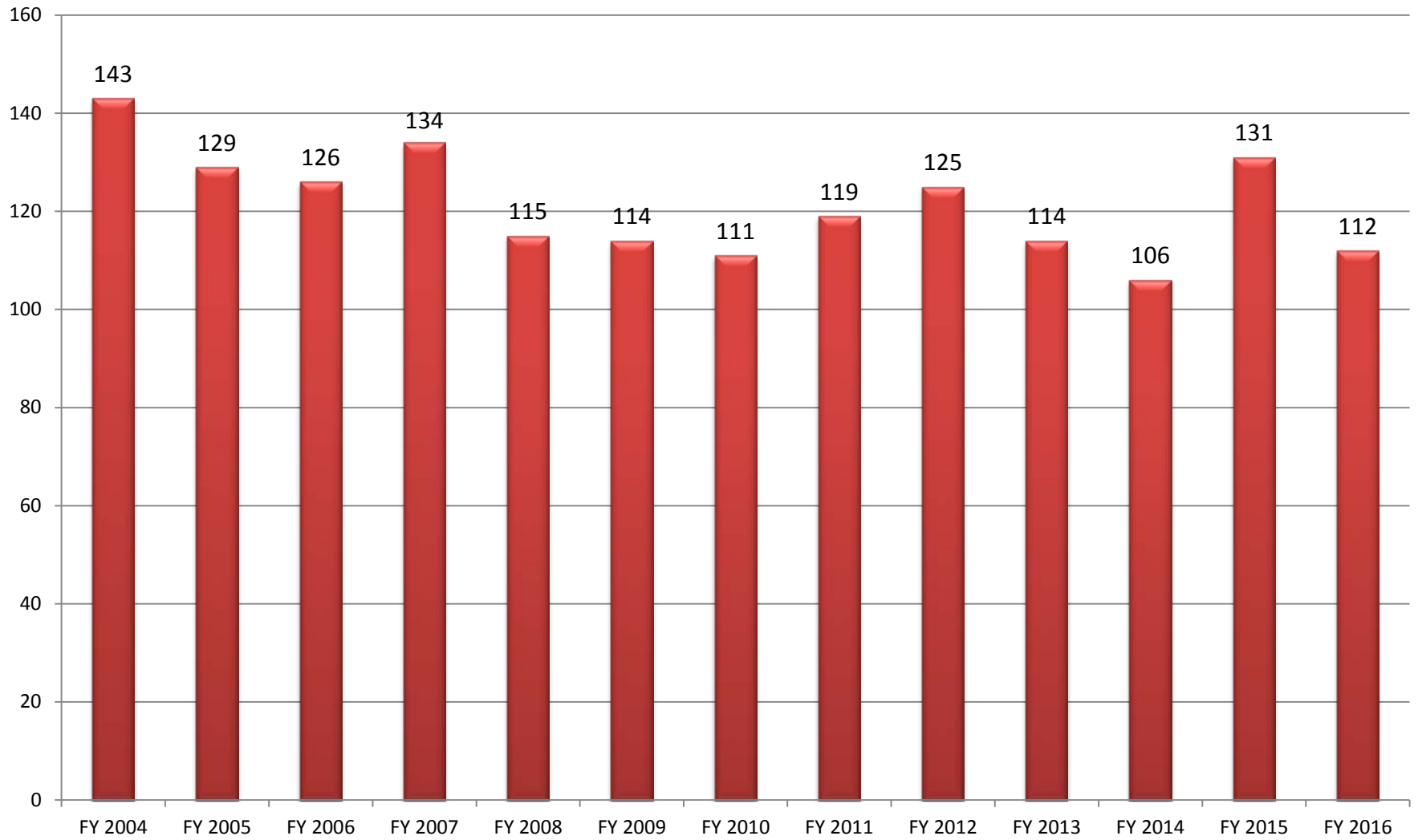


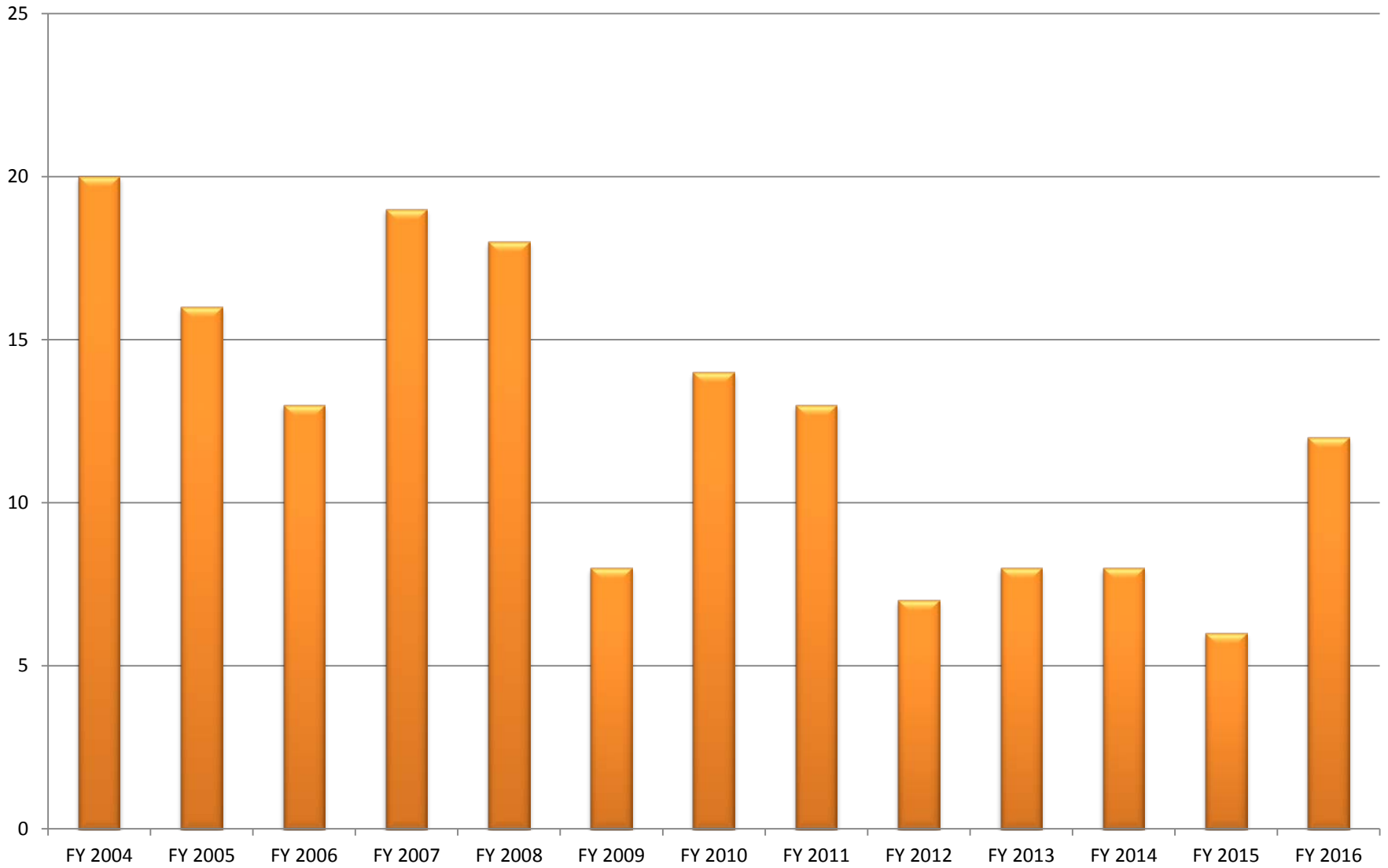
OSHA Accident Investigations

- Liability?
- OSHA violation..
 - Exposed Employee
 - Hazard
 - Employer Knowledge
 - Feasible method to control hazard
- Fault?
- Pay for death?

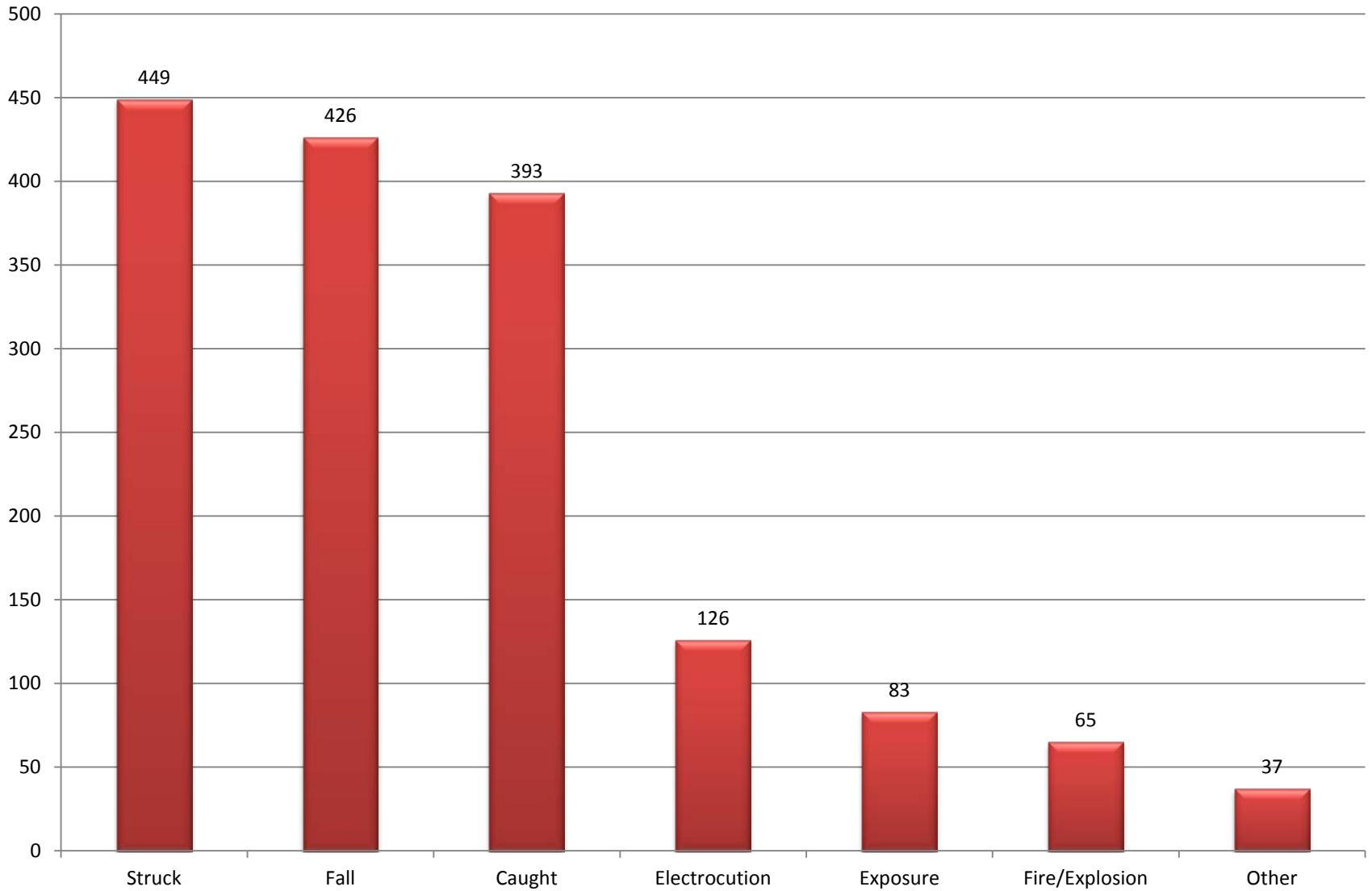
Total Number of Fatalities FY 2004 - FY 2016



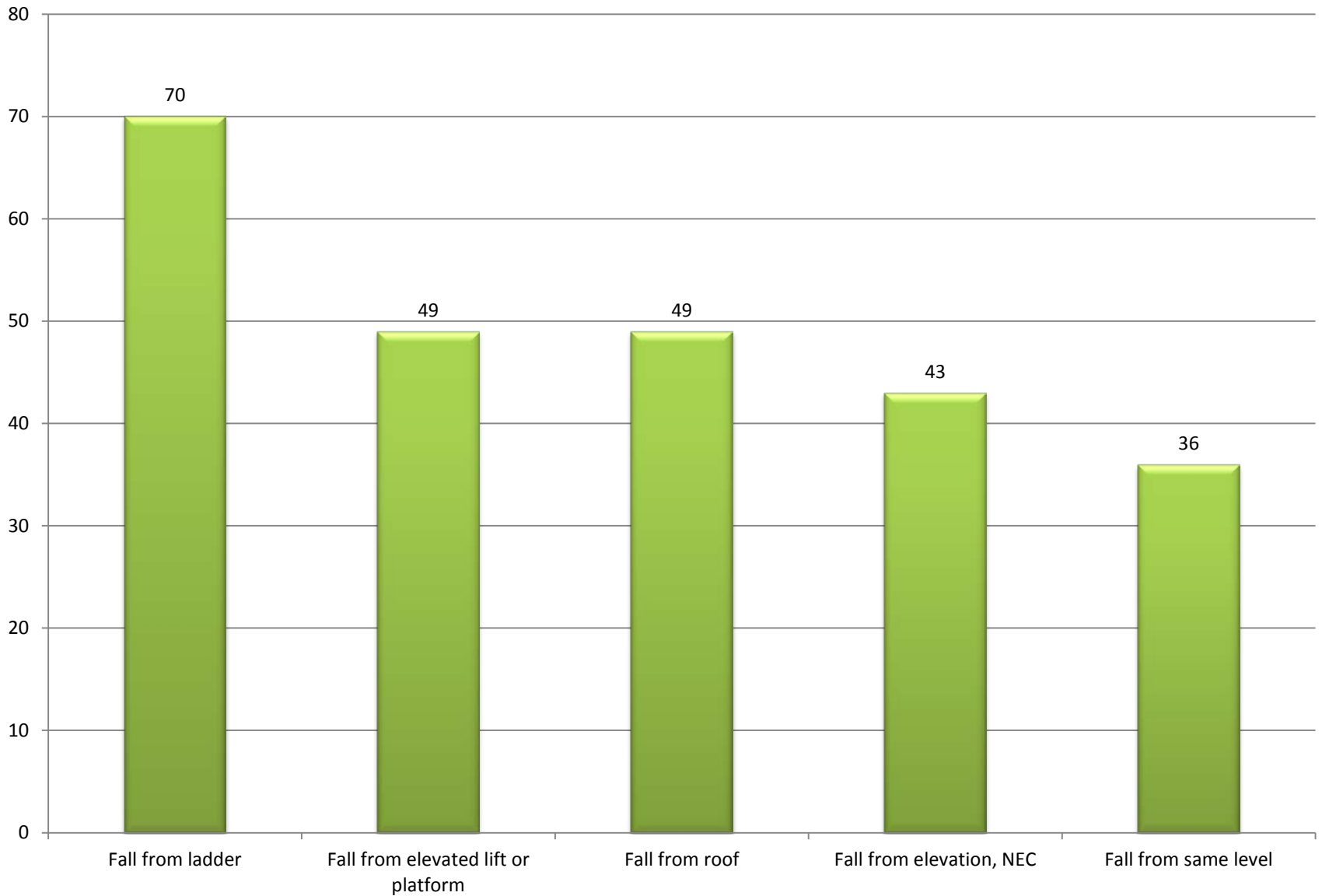
Peoria Area Office FY 2004 - FY 2016



Fatalities by Event FY 2004 - FY 2016



Fall Top Five Events FY 2004 - FY 2016



Fall fatality

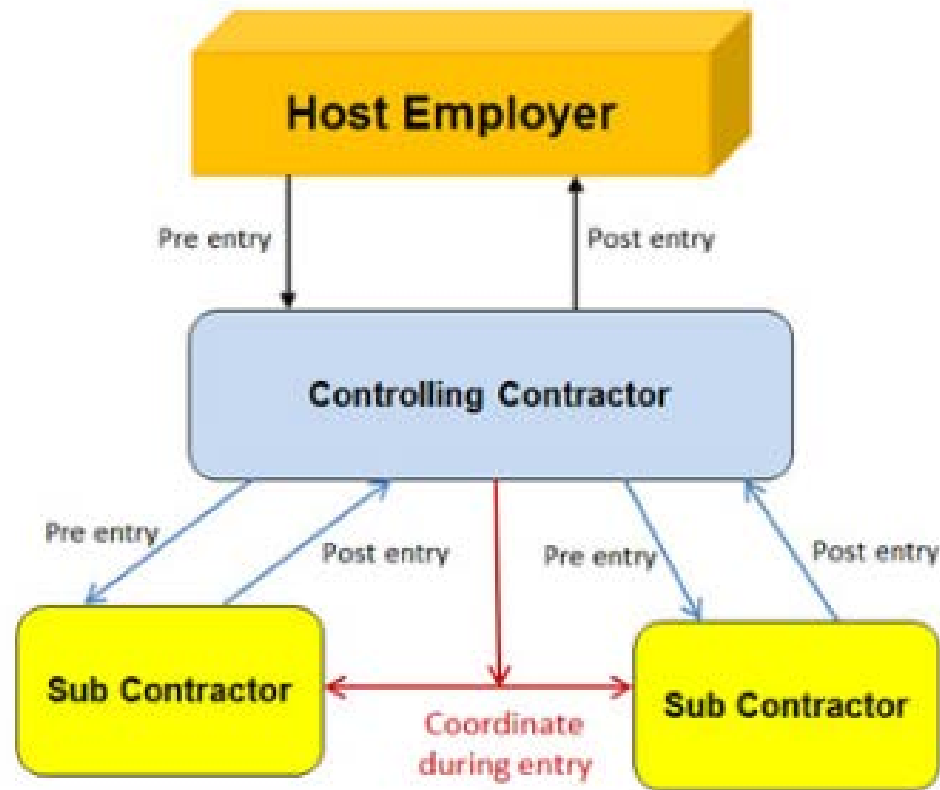
- 1926.20(b)(2) competent person frequent inspections
- 1926.501 fall protection
- 1926.503 training of fall control system to use
- 1926.760(c)(3) identified control decking zone
- 1926.760(c)(4) training on control decking zone

Violations

- 212(a)(1) unprotected rotating parts - \$7,000
- 212(a)(5) unprotected fan - \$3,500
- 219(b)(1) unprotected flywheel - \$4,900
- 219(d)(1) unprotected pulleys - \$4,900
- 219(e)(1)(i) unprotected belts - grouped

Citations

- 1926.20(b)(1)-Accident prevention program
- 1926.20(b)(2)-Competent person
- 1926.416(a)(1)-Proximity to electric
- 1926.416(a)(3)-Contact with electrical source
- 1926.501(b)(13)-fall hazard
- 1926.503(a)(1)-fall training



- Controlling contractor is responsible for making sure employers outside a space know not to create hazards in the space, and that entry employers working in a space at the same time do not create hazards for one another's workers.

General Contractor

hosted meetings every week

- Controlling contractor did not coordinate entry operations with 3 contractors involved in entry.
- Did not ensure a competent person identified the structures as confined spaces and evaluate the potential hazards.
- Did not inform employees of the existence, location and danger posed by the space by posting danger signs or any other equally effective means.

Other contractor – Violations ¹

- Employers did not identify and evaluate the hazards of the permit spaces before employees entered.
- Employers did not inform workers of the existence, location and danger of the space by posting danger signs or any other equally effective means.

Other contractor – Violations ^{2 & 3}

- No one implemented a system for the preparation, issuance, use, and cancellation of entry permits.
- No one coordinated entry operations with each other and the controlling contractor.

Other contractor – Violations 4 & 6

- Employers did not ensure the gate and associated structure was **isolated** and secured to prevent water from entering the space and creating a potential engulfment hazard.
- **Entry supervisor** did not verify appropriate atmospheric testing was completed, water from the treatment plant was effectively isolated, and a method for rescue was in place before allowing entry to begin.
- Entry Supervisor did not ensure that rescue services were available, that the means for summoning them were operable, and that the employer would be notified if services become unavailable.

Other contractor – Violations ⁵

- Employers did not provide **rescue** and emergency equipment
- Employers did not develop **procedures** for rescuing entrants
- Employers did not ensure each entrant used a **harness**, with retrieval line attached at the center of the entrant's back.
- Employers did not ensure entrant retrieval lines were attached to a mechanical device or fixed point outside the space to ensure rescue could begin as soon as necessary.
- Employers did not provide at least one **attendant** outside the permit space during entry operations.

Other contractor – Violations ^{7 & 8}

- Employers did not **provide training** to ensure employees obtained an understanding, knowledge, and skills necessary for their duties assigned and the hazards in the space and the methods used to protect them from the hazards.
- Employees were not qualified by training or experience to operate the Joint Test equipment and did not have awareness of the safe distance from the blast zone.

Results

- General Contractor 2 - \$10,800 – FSA \$7,500
- Engineering Contractor 6 - \$30,000 – ISA \$21,000
- Excavation Contractor 13 - \$44,800 – FSA \$22,400
- Labor Contractor 5 – 35,000 – ISA \$20,000

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