Operating Engineer Struck by Concrete Slab*

Industry: Electrical contractors  
Release Date: July 30, 2010  
Task: Removing controlled density fell from electrical vault  
Incident Date: September 4, 2008  
Occupation: Operating engineer  
Case No.: 08WA04301  
Type of Incident: Struck by falling object  
SHARP Report No.: 71-94-2010

On September 4, 2008, an operating engineer died after being struck by a concrete slab. The 28-year-old victim was employed for seven years by an electrical contractor. The victim and a co-worker were removing controlled density fill, a type of concrete, from an electrical vault. The vault was in an excavation where the two workers were working inside a shield box. As they were chipping the controlled density fill, a 16’ x 3’ section broke loose and fell on them, pinning them against the shield box. One worker was able to free himself and assist with the rescue of the victim, who was taken to a hospital, where he died of blunt force injuries.

Requirements

- An engineering survey should be conducted before demolition work begins on any structure. See WAC 296-155-775
- A competent person should oversee the demolition of any structure and ensure that workers are protected. See WAC 269-155-775
- Employers must ensure that workers in trenches are protected from being struck by falling objects. See WAC 296-155-655
- Protective systems must be set up correctly and should be inspected by a competent person who should also assess for potential hazardous conditions. See WAC 296-155-655

Recommendations

- Conduct a hazard analysis that considers the potential severity and likelihood of an event.
- Develop practical written safe work procedures and plan the job before starting work.
- Never position yourself between fixed objects and objects that have the potential to fall.

State Wide Statistics: This was number 44 out of 72 work-related fatalities in Washington State during 2008, and was number 12 out of 18 construction-related fatalities.

*This bulletin was developed to alert employers and employees of a tragic loss of life of a worker in Washington State and is based on preliminary data ONLY and does not represent final determinations regarding the nature of the incident or conclusions regarding the cause of the fatality.

Developed by the Washington State Fatality Assessment and Control Evaluation (FACE) Program and the Division of Occupational Safety and Health (DOSH), WA State Dept. of Labor & Industries. The FACE Program is supported in part by a grant from the National Institute for Occupational Safety and Health (NIOSH). For more information, contact the Safety and Health Assessment and Research for Prevention (SHARP) Program; 1-888-667-4277.