

## **24 Fall from step stool – Inspection #1252847**

A **38 year old male** employee was fatally injured when he fell from a step stool striking his head onto the concrete floor below. On the day of the incident, the victim and another employee were installing an interior main beam assembly, weighting 135 lbs., on a shelter building measuring 14 feet wide, 11 feet deep, and 7 feet 9 inches high. The assisting employee held one end of the beam while the victim used a step stool to lift the beam into the interior main bracket designed to cradle the beam. After the victim placed the beam in the bracket he moved to the opposite end of the beam, placed the beam on his shoulder and stepped onto the step stool to install the beam into the bracket. The beam then fell out of the interior main bracket on the opposite end, causing the victim to lose his balance, and fall backwards striking his head on the concrete floor. The victim was taken to the hospital and succumbed to his injuries the next day.

### **Citation(s) as Originally Issued**

A complete inspection was conducted at the accident scene. Some of the items cited may not directly relate to the fatality.

#### **Citation 1 Item 1**

|                       |   |
|-----------------------|---|
| 29 CFR 1910.23(b)(13) | <b>An employee carried an object or load that could cause the employee to loose balance and fall while climbing up or down the ladder.</b>  |
|                       | In that an employee was carrying a 135-pound beam on his shoulder while climbing up a step stool. The beam fell and caused the employee to lose his balance and fall backwards, hitting his head on the concrete floor. |

#### **Citation 1 Item 2**

|                      |  |
|----------------------|--|
| 29 CFR 1910.30(b)(1) | <b>The employer did not train each employee on or before May 17, 2017 on the proper care, inspection, storage, and use of equipment covered by Subpart D (Walking-Working Surfaces) before an employee used the equipment.</b> |
|                      | In that the employer did not ensure that employees who use the step stool had been trained on the use of the equipment.  |

#### **Citation 1 Item 3**

|                          |  |
|--------------------------|--|
| 29 CFR 1910.106(d)(4)(i) | <b>Inside storage rooms were not constructed to meet the required fire-resistive rating for their use. Openings were not provided with approved self-closing fire doors.</b> |
|                          | In that the roll-up fire door for the Hazardous Material storage room was obstructed with 55-gallon drums, pallets, and boxed making the fire door inoperable.               |

**24 Fall from step stool – Inspection #1252847**

**Citation 1 Item 4**

|                              |  |
|------------------------------|--|
| 29 CFR 1910.106(e)(2)(iv)(a) | <b>Flammable liquids were not kept in covered container(s) when not actually in use.</b>   |
|                              | In that flammable liquids including Magnaplate vinyl ester resin, Acetone, Hetrolac 105 resin, Xylene, Kem-Flash primer, and Forth-Pak 17REF Class A Polyol Spray Polyurethane Foam was not kept in closed containers when not in use. |

**Citation 1 Item 5**

|                           |   |
|---------------------------|---|
| 29 CFR 1910.106(e)(6)(ii) | <b>Category 1 or 2 flammable liquids, or Category 3 flammable liquids with a flashpoint below 100 degree F, were dispensed into containers without the containers being electrically interconnected.</b>                  |
|                           | In that the 55-gallon drums of category 2 and 3 flammable liquids with a flashpoint below 100 degrees F, were not grounded and bonded to eliminate the static charge potential between conductive objects and the ground. |

**Citation 1 Item 6**

|                       |  |
|-----------------------|--|
| 29 CFR 1910.107(g)(3) | <b>Approved metal waste cans were not provided wherever rags or waste were impregnated with finishing material, and all such rags or waste were not deposited therein immediately after use. The contents of waste cans were not properly disposed of at least once daily or at the end of each shift.</b> |
|                       | In that rags impregnated with finishing material or flammable materials were not properly disposed of.   |

**Citation 2 Item 1**

|                      |  |
|----------------------|--|
| 29 CFR 1910.37(b)(1) | <b>Each exit route was not adequately lighted so that employees with normal vision could see along the exit route.</b>                 |
|                      | In that the emergency lighting in the shop that would adequately light exit routes in the event of a power outage was not functioning. |

**Citation 2 Item 2**

|                       |   |
|-----------------------|---|
| 29 CFR 1910.303(b)(2) | <b>Listed or labeled electrical equipment was not used or installed in accordance with instructions included in the listing or labeling.</b>                                |
|                       | In that a pendant box with knockouts was being used as an extension cord in the KENCO building. The box is intended to be mounted to a wall, not used as an extension cord. |

**24 Fall from step stool – Inspection #1252847**

**Citation 2 Item 3**

|                       |  |
|-----------------------|--|
| 29 CFR 1910.122(f)(6) | <p><b>The employer did not ensure that each container of hazardous chemicals in the workplace was labeled, tagged or marked with the identity of the hazardous chemical(s) contained therein.</b></p> <p>In that the employer was not maintaining labels on hazardous chemicals that were transferred from the supplier labeled bucket to a processing bucket.</p> |
|-----------------------|--|



Photo 1 of 1 – The bracket is shown above the step stool where the victim tried to lift the interior beam into place.