

Naval Facilities Engineering Command, Mid-Atlantic

Safety Lessons Learned Accident Abstract

Accident Type: Overhead 120/208 volt overhead circuit tore down
Injury: NONE
Damage: Number 6 triplex wire broke and dropped to ground
Type of Work: Installing underground steam/condensate lines
Equipment: Dump Truck



DESCRIPTION OF THE ACCIDENT:

- ◆ Installing underground steam lines in a parking lot the contractor was receiving a load of soil to use for compacting in the trench. After the dump truck unloaded the material and before the driver lowered the dump body the driver drove forward and struck the overhead 120/208 volt electric wire causing it to break and fall to the ground

DIRECT CAUSE:

- ◆ Failure to lower dump truck body before driving forward.

INDIRECT CAUSE:

- ◆ No preparatory meeting for this activity.
- ◆ No AHA for new phase of work and new work crew.
- ◆ Failure of the contractor quality control program (QC) to perform required preparatory meeting.
- ◆ Failure of SSHO to ensure EM-385 safety requirements were met.
- ◆ Failure of superintendent to ensure new personnel had received safety indoctrination and were familiar with the conditions in their immediate work area.

ROOT CAUSE:

- ◆ Ineffective control of subcontractor site safety and implementation of EM-385-1-1 safety procedures on site.

LESSONS LEARNED:

- ◆ This incident occurred before the recommendations listed below could be implemented. ROICC was in the process of sending letters to all contractors advising them of the new requirements when this incident happened.
- ◆ New Dump Truck checklist to be completed by operator developed in accordance with EM-385-1-1 section 18.A.02 c
- ◆ New line item #106 added to contractor safety awareness worksheet used by mid-lant safety inspection team to verify dump truck checklists are being used where needed
- ◆ Preparatory meeting and using the Activity Hazard Analysis even for small events would have prevented this incident. A more thorough AHA would have prevented the accident by helping to identify the location of overhead wire to all contractors on site.
- ◆ Superintendent/ SSHO must pay attention to possible problems and not walk off and leave new personnel unattended