

**Naval Facilities Engineering Command, Mid-Atlantic**

# **Safety Lessons Learned Accident Abstract**

**Accident Type:** Overhead 4,160 volt neutral wire tore down  
**Injury:** N/A  
**Damage:** Neutral wire cut and dropped to ground  
**Type of Work:** Construction of concrete facility support building with limited vehicle access  
**Equipment:** Dump Truck



**DESCRIPTION OF THE ACCIDENT:**

Construction of a large mission support facility with limited site access. Contractor decided to use install stone in the back of building where a large muddy area existed. While a dump truck was unloading stone and before driver lowered dump body, driver drove forward and struck the neutral wire of a 4160 volt line, breaking line buy not causing any interruption of power to customer

**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.

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**ROOT CAUSE:**

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

**LESSONS LEARNED:**

- ◆ 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