



Atlantic Division, Naval Facilities Engineering Command

ACCIDENT ABSTRACT

ACCIDENT TYPE: Crane over turned
INJURY: No Injuries
TYPE OF WORK: Demolition of underground tank
EQUIPMENT INVOLVED: Crawler, Fix boom
SAFETY EQUIPMENT: Long pants, shirt, safety glasses, and hardhat



DESCRIPTION OF THE ACCIDENT:

A contractor crane was removing and relocating scrap metal materials off of an underground tank during demolition.

DIRECT CAUSE:

The crane was overloaded for the configuration at the time of the accident.

CONTRIBUTING CAUSES:

- ◆ The crane was on unstable ground. The soil was disturbed.
- ◆ The crane had no load indicating device. .
- ◆ The operator did not know he was over loaded.
- ◆ Improper clamshell for removing scrap metal material.
- ◆ The operator did not have a current operator certification on site.
- ◆ The demolition plan was used to remove all tanks under the contract. It was not written as site specific. The plan calls for the use of a headache ball / crane rigging on a crawler. The contractor was using a clamshell. This was not specified in the demolition plan.
- ◆ The Activity Hazard Analysis was not amended or reviewed when the equipment used changed.
- ◆ The Preparatory Inspection was not amended, or reviewed with the crane operator.

LESSONS LEARNED:

All lattice boom cranes shall be equipped with a load indicating device or a load moment indicator, EM 385-17.D.01.