Bridge To The New Millenium

Bridging the Gap

Successes & Challenges Ahead

Atlantic Division, Naval Facilities Engineering Command

Construction Safety & the ORM process

Cost of Construction Mishaps

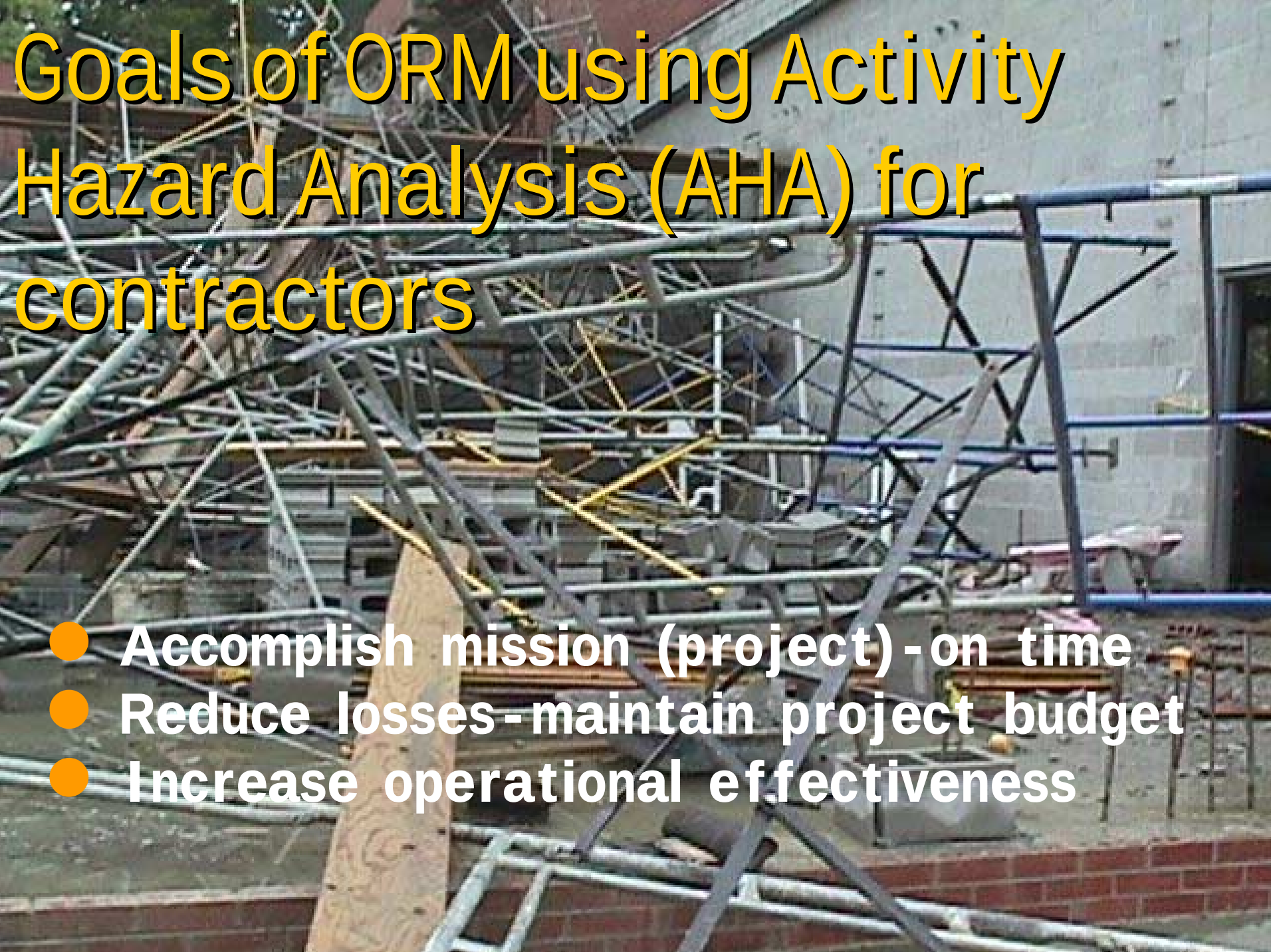
"Manage your risks before they manage you."

Operational Risk Management (ORM) is a CNO instruction delineating a process for minimizing risk during military operations. Atlantic Division uses ORM in construction contracts via contract required pre planning stages that the contractor and 2nd Brigade follow.

Operational Risk Management through Activity Hazard Analysis (AHA)

- A Decision Making Tool
- Increases Ability to Make Informed Decisions
- Reduces Risks to Acceptable Levels
- Forces the contractor to plan out the work

Goals of ORM using Activity Hazard Analysis (AHA) for contractors



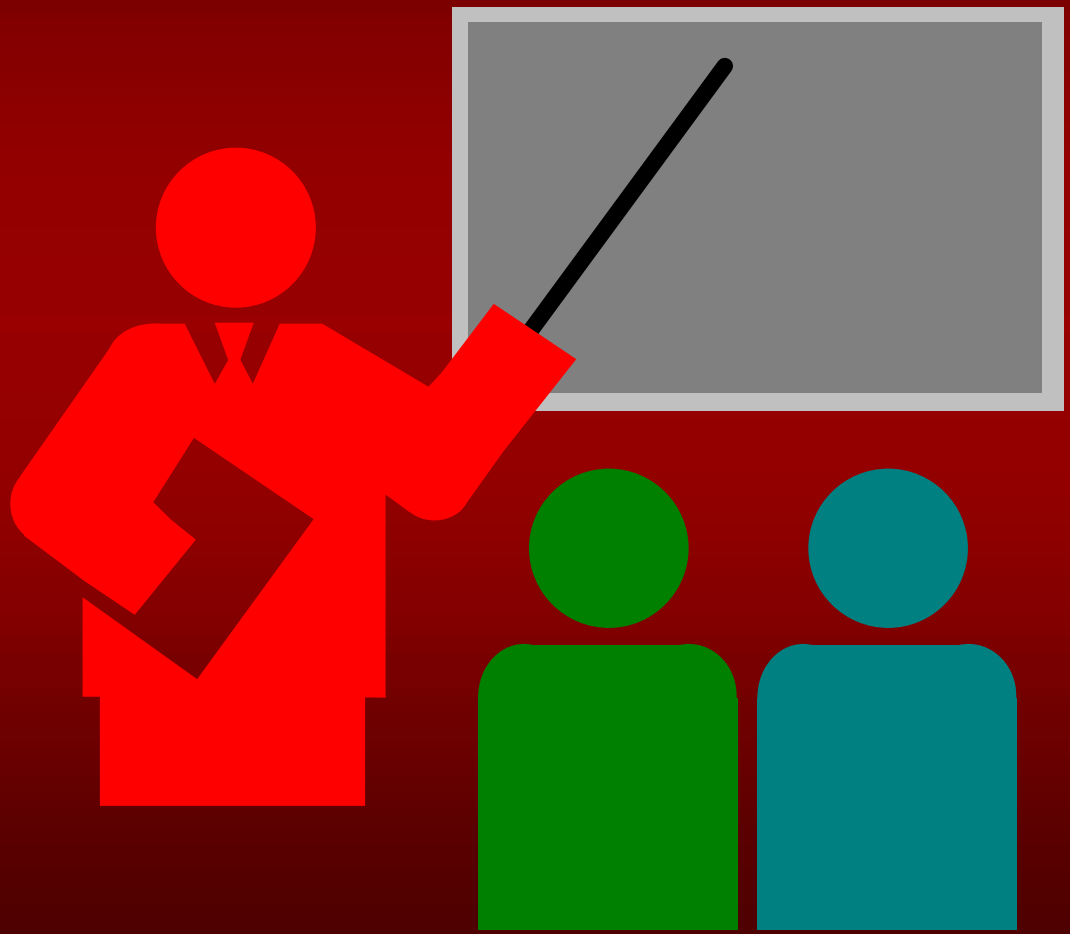
- Accomplish mission (project)-on time
- Reduce losses-maintain project budget
- Increase operational effectiveness

Operational Risk Management through Activity Hazard Analysis

Goal:

To optimize operational capability and readiness by managing risk to accomplish the mission without loss.

ORM/AHA Terms



AHA Terms

Hazard:

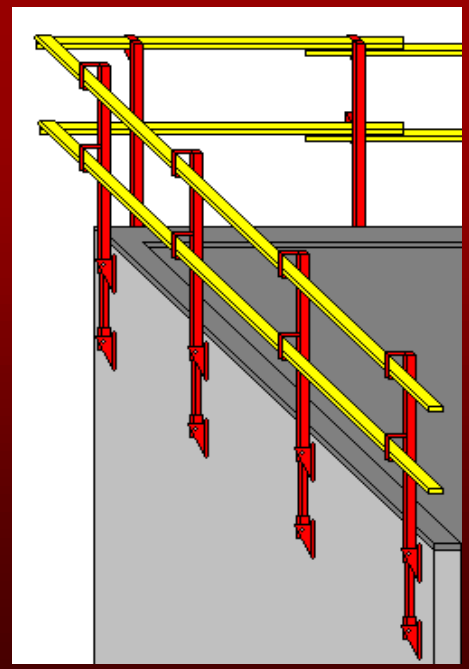
Risk:

Severity:

Control:

Risk Assessment:

Same five step process for hazard recognition and control are in both the ORM and AHA processes



Operational Risk Management/Activity Hazard Analysis Process

1. Identify Hazards
2. Assess Hazards
3. Make Risk Decisions
4. Implement Controls
5. Supervise

Atlantic Division “Best Practices” plan of action has been implemented to award contracts to contractors with proven safety performance, trained site managers, proactive substance abuse programs, and highly effective safety cultures.

“ZERO INJURY” Philosophy for construction sites adopted from the Construction Industry Institute (CII)

- **Safety Pre-Project & Pre-Task Planning**
- **Safety Orientation and Training**
- **Safety Incentives**
- **Drug and Alcohol Abuse Program**
- **Accident & Incident Investigation**

HOW DOES LANTDIV IMPLEMENT ORM CONCEPTS FOR CONSTRUCTION USING AHA REQUIREMENT

Assure our contractors & 2nd Brigade are providing a safe work place for contractor employees through AHA - plan ahead for safety

ORM and Activity Hazard Analysis are parallel processes for assuring a safe work place by forcing contractors to plan out their work, ahead of time, on each phase, before that work phase starts.

AHA = ORM

AHA requires contractors to identify the work phase, the hazards, the controls to eliminate the hazards, the special training or qualifications required, the equipment required, accountability, and communication to the workers.

Three Crucial Questions

- What's going to hurt me?
- What am I going to do about it?
- If I can't do anything, who do I tell?

Atlantic Division has been advocating the AHA process since October 1995. It has been a USACE EM 385-1-1 requirement since 1967 however, until recently, has not been effectively enforced or accepted by the construction contracting community.

IT'S NO SECRET

SUCCESS IN ASSURING A SAFE CONSTRUCTION SITE REQUIRES

EACH WORK PHASE TO BE PLANNED WELL AHEAD OF TIME

As ROICCs our responsibility in quality assurance (P-445) helps make the AHA process happen through several standard business project pre planning stages which are required to take place

ROICC ABCs

A) ASSURE a clear contract (SECTION 01525)

B) ASSURE a site specific project safety plan

C) ASSURE communication of safe site expectations at PRE CON (“GOAL ZERO through ZERO tolerance”)

D) ASSURE quality Activity Hazard Analysis (AHA) are provided for each phase of the project

Requirement communicated to contractors by spelling it out in the contract

Activity Hazard Analysis-

Already included in contract documents:

USACE EM 385-1-1(09.A.01),

Specification Section 01525

& FAR Clause 52.236-13

ROICC

CONTRACTOR **ACTIVITY HAZARD ANALYSIS (AHA)** **Page**

Location:	Contract No.:	Project Title:
Phase (Division):	Prime Contractor:	Subcontractor(s):

General description for scope of work of this Division or other significant activity:

Date of Preparatory Inspection:		Estimated Start Date of Activity:
Division/Activity	Potential Safety Hazard:	Procedure to Control Hazard:

Equipt To Be Used: Equipt Inspections Required:	Special Training Requirements For Workers:
Reviewed & Approved:	
Prime Contractor Name: _____ Supt:_____ CQC:_____ (Signature) (Signature)	Subcontractor(s): Company Name: _____

HOW DO WE DO IT?

Require it from the contractor before work begins on each phase

Review and accept it

WHAT IS THE CONTRACTOR SUPPOSE TO DO WITH IT?

Ensure the workers know what's in it - Communication during weekly on site safety meetings, supervise, and inspect

WHO MAKES IT?

The optimum is for the sub contractor to provide it to the prime superintendent. The sub is most familiar with the men, material, and equipment planned to be brought on site. The superintendent is most familiar with the adjacent activities which will be going on at the site and the potential additional hazard exposures.