#### University of Nebraska - Lincoln Digital Commons@University of Nebraska - Lincoln

United States Department of Transportation --**Publications & Papers** 

U.S. Department of Transportation

1-1-2002

#### Accident Investigation Trends - A Safety Management Perspective

David Dykes MMS

Follow this and additional works at: http://digitalcommons.unl.edu/usdot



Part of the Civil and Environmental Engineering Commons

Dykes, David, "Accident Investigation Trends - A Safety Management Perspective" (2002). United States Department of Transportation -- Publications & Papers. Paper 29.

http://digitalcommons.unl.edu/usdot/29

This Article is brought to you for free and open access by the U.S. Department of Transportation at DigitalCommons@University of Nebraska -Lincoln. It has been accepted for inclusion in United States Department of Transportation -- Publications & Papers by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

# Accident Investigation Trends - A Safety Management Perspective

International Workshop on Human Factors in Offshore Operations

April 8 - 10, 2002



### Accident Investigation - Critical Element of MMS Safety

- > Types of Investigations
- **➤** Root Cause Oriented
- > Identifies Trends
- > Identifies Potential Problems



#### **MMS** Reaction to Trends

- ➤ Safety Alerts
- > Regulatory Review
- ➤ Inspection Modification
- ➤ Actions Specific to Operator



## Trends Revealed in Recent Fatal Accident Investigations

- > Human Factors
- Coincidental Injuries
- ➤ Day-to-Day Tasks
- ➤ Lack of Procedural
  Guidelines/Communications
- > Management System Failures



# Lack of Procedural Guidelines in Routine Tasks - Why?

- Complacency Success
- > Reliance on:
  - Pre-Job Safety Meetings
  - Safety Handbooks/Work Practices
  - General Training T2
  - Corporate Safety Plan
- ➤ Non-uniformity of Task Steps
- ➤ No Systematic Management Policy on Hazardous Task Identification



### Best Procedures Result from JHA/JSA

- > JSA Systematic Way of Dealing with Hazards
  - List Task Elements/Steps
  - Identify Hazards in Each Step
  - Precautions Taken to Deal with Hazards
- > Types of JSA
  - Produced at Pre-Job Safety Meeting
  - Produced at Management Level
- Problem No Systematic Way of Identifying Tasks to Subject to JSA



### Management Responsibility

- Provide the Safest Environment
- > Identifying Hazards
  - Reactively
  - Proactively
- **Contractors** 
  - Review Safety Plan
  - Monitor Performance
  - Force a JSA Mentality



### **Contact Information**

- Safety Alerts & Panel Reports
  - www.mms.gov/offshoresafety/
- > Accident Stats
  - www.mms.gov/stats/OCSincident.htm
- Public Information Office (2010 reports)
  - 1-800-200-GULF
  - -504-736-2519



### **Contact Information Cont'd**

- Frank Pausina Accident Investigation Coordinator, MMS, GOMR
  - -504-736-2560
  - frank.pausina@mms.gov
- ➤ Joe Gordon Chief, Office of Safety Management, MMS, GOMR
  - -504-736-2923
  - joe.gordon@mms.gov



#### **Contact Information Cont'd**

MMS Article in Oil & Gas Journal -October 23, 2000 - MMS investigation provides insights



### Thank You

