

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

United States Department of Transportation --
Publications & Papers

U.S. Department of Transportation

2002

Accident Investigation Trends - A Safety Management Perspective

David Dykes
MMS

Follow this and additional works at: <https://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*. 29.
<https://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

