Human Dimensions of Organizations | Innovation Comes Standard

CONFIDENTIAL INCIDENT REPORTING: A Potential Pathway to More Effective Safety Systems and High Reliability in Oil and Gas

JD Holt, Master of Arts Candidate
Human Dimensions of Organizations, The University of Texas at Austin

Introduction

Problem: O&G industry is facing heightened safety risks due to:
- Sophistication of process technology and systems
- Public safety concerns and social license to operate
- Ongoing experienced workforce
- Rising costs
- Human resource demands

Successful Model: ASRS is celebrating forty years of success utilizing a confidential incident reporting system involving:
- Employees (pilots, air traffic controllers, attendants, mechanics, etc.) who share information involving observations, close calls and incidents.
- NASA, a third-party administrator of the ASRS who processes reports, maintains a comprehensive database and distributes safety information for stakeholder use and improvement.

Proposed Solution:

- Create a sustainable system of safety performance, enforcement and high reliability for O&G sector stakeholders, encouraging better collaboration, sharing and transparency among private, public, government and non-government entities.

Further Information:
- Determine appropriate pathway for implementation of Observation and Near Miss Reporting.
- Establish Memorandum of Understanding with stakeholders (Government, Private, Public, NGOs).
- Conduct Stakeholder Information Workshops with breakout sessions.
  - Legal and Government - discuss necessary measures to establish protective statute(s)
  - Human Factor Analyses - refine and adapt existing classification system for O&G
  - Administration - determine budget, advisory committee and other items of business
- Consideration to adopt fully-implemented CIRS, including incident and accident sharing
- Paradigm shift from human error and blame to value of human information in incident reporting

Acknowledgments

- Kelly Holt – Editor and Soulmate
- Sydney Holt - Writing & Travel Support
- Mallory and Siobhan Holt - Family Sacrifices
- Linda J. Connell - NASA Research Director
- Various Legal Counsel – Clarity and Direction
- Aradasko – Financial and Content Support
- Cohort & Faculty – Lifetime Experience
- Epoch Coffee House – Countless Nights

Key Literature Cited