Operational Controls – Management of Change

S. David Toth
Manager
Operations Management System & CCS

Kinder Morgan
"Delivering Energy to Improve Lives and Create a Better World"

Pipeline SMS

Management of Change

- Technology
- Equipment
- Procedures
- Organization

Management of Change (MOC) – Overview

- Today's Business Environment Is Driving Change At An Unprecedented Level.

- The Pace Of Technology Change, In Particular, Is Accelerating, Requiring Businesses To Oversee Transitions To New Processes And Procedures On A Regular Basis.

- Effective MOC Processes Allows The Company To Maintain A Constant State Of Evolution And Facilitate Periods Of General Business Change, Allowing Workers To Remain Motivated And Productive During The Introduction Of New Technologies Or Procedures.

- MOC - By Nature, Is Intended To Facilitate Organizational, Technology, Procedure, And Equipment Change, So Attention Must Be Paid To Each Constituent Part Of The Whole.

- **Upgraded From MOC 1.0 To 2.0: Incremental Change - Incremental Change Is More Of An Evolutionary Form Of Change And Usually Internally Driven.**

Drive For Action (Challenges):

- **Identify Leading Key Performance Indicators (KPI's) That Will Help Km Improve, That Is, To Be More Proactive In Risk Reduction**

- **Training**

BEFORE WE BEGIN...
- MOC Process Primer
- Why We Use the Electronic MOC Process
- Why We Need to Upgrade
- Products Pipelines MOC 2.0 Site Layout
- Administrators in MOC 2.0

MOC Challenges- Develop KPI's

Risk Control/Barrier –> MOC Procedure

Driver -> Reduce Risk Associated with Change

Lagging Indicator –> Cost And Resources Associated Or Incomplete Implementation

Leading Indicator –> Percent (%) Executed MOC's Fully Implemented

System -> eMOC

MOC Challenges - Training

Updated MOC Training In DuPont LMS:

- ✓ **Types Of Changes Requiring An MOC**
- ✓ **When Is An MOC Required**
- ✓ **LOM 155 (MOC), 001 (Standards Of Modification), 000 (Action Decision Committee)**

Dual Verify And Developed Training - Roles And Responsibilities:

- ✓ **Initiators – L-O&M 155, Section 3.6.1**
- ✓ **Administrators – L-O&M 155, Section 3.6.2**
- ✓ **Coordinators – L-O&M 155, Section 3.6.3**
- ✓ **Reviewers – L-O&M 155, Section 3.7.1**
- ✓ **Approvers – L-O&M 155, Section 3.7.2**
- ✓ **Implementers – L-O&M 155, Section 3.7.3**

Monthly MOC Meetings With MOC Administrators:

- ✓ **MOC's In Correct Status**
- ✓ **Create New Groups As Needed/Update Groups**
- ✓ **Close Out "Old" MOC's In MOC 1.0**

KINDER MORGAN
MANAGEMENT OF CHANGE   TEST APPLICATION

Business Units : PRODUCTS PIPELINES

Contact Us : WebMaster@kindermorgan.com   ©2016 Kinder Morgan. All rights reserved

Products Pipelines MOC 2.0

THANK YOU!

Visit us at: pipelinesms.org

S. David Toth
Sigmund_Toth@Kindermorgan.com