

DOE Corporate Operating Experience Program

HS-30 continues to manage the DOE Corporate Operating Experience Program, as defined in DOE O 210.2, and assist others across the complex in implementing it. The current status of known implementation is provided below:

CONTRACTORS

	In Contracts				Contractor Implementation				
	Now	EOY	Later	Unknown	Now	EOY	Later	Unknown	Coord
TOTALS	42	1	0	3	37	4	0	7	49
	91%	2%	0%	7%	77%	8%	0%	15%	

FEDERAL

	Federal Implementation				
	Now	EOY	Later	Unknown	Coord
TOTALS	20	11	2	8	41
	49%	27%	5%	20%	

OPEX Products:

During FY-2008, HS-30 has either directly produced or managed the programs that have produced the following operating experience products:

Product	TOTAL
1. Special Operating Reports	0
2. Safety Alerts	1
3. Safety Bulletins	2
4. Safety Advisories	3
5. Just-In-Time Reports	0
6. Causal Analysis Reviews	2
7. Operating Experience Summaries	12
8. Electrical Safety Monthly Reports	12
9. Suspect/Counterfeit Data Collection Sheets	141
10. Lessons Learned	273
11. Facility Call Sheets (internal)	56
12. Weekly Summary Reports	51
13. Daily Summary Reports	246
14. ORPS Notification Reports (new events)	1241

HS-30 Commitment to Review External Events

As part of the HS-30 Operating Experience Program and in response to our commitments to DNFSB 2004-1, we have continued to look outside of DOE to learn from industry events. Since 2004, some of the products that we have developed and distributed complex-wide include the following:

SAFETY ADVISORIES

2007-02 - Safety Culture Weakness Cited in BP Accident
2006-03 - Explosion and Fire at Texas Chemical Plant Result from Faulty Welds
2006-01 - Texas City Refinery Update: The Price of Safety Complacency

OPERATING EXPERIENCE SUMMARY ARTICLES ON INDUSTRY EVENTS

2008 Articles:

1. Chemical Safety Board Completes Investigation of Danvers Explosion - OES 2008-09
2. Plutonium Spill at Boulder NIST Facility - OES 2008-08
3. Industry Tower Crane Collapses Lead to Savannah River Site Crane Shutdown - OES 2008-07
4. NRC - Radio Frequency Interference Results in Plant Shutdown - OES-2008-06
5. Confined Space Events Result in Industry Fatalities - OES-2008-01

2007 Articles:

1. NRC Operating Experience on Electrical Circuit Breaker Problems - OES 2007-08
2. OSHA Issues New Instruction on Combustible Dusts - OES 2007-07
3. NRC Identifies Recurring Operability Issues with Emergency Diesel Generators - OES 2007-06
4. Lessons Learned from Leak at British Reprocessing Plant - OES 2007-05
5. Poor Job Planning Results in Electrical Worker Fatality - OES 2007-05
6. Excavator Accidents Can Be Deadly - OES 2007-01

2006 Articles:

1. Wearing Arc Flash Clothing Can Save Your Life - OES 2006-14
2. Lack of Work Activity Coordination Sank U.S. Submarine in Shipyard - OES 2006-13
3. Refinery Operator Fatality Caused by Improper Manlift Use - OES 2006-12
4. Explosions and Fire at UK Oil Storage Facility Caused by Overfilled Tank - OES 2006-11
5. What are Metal Whiskers and Why are They Important - OES 2006-10
6. Risk-Taking and Shortcuts result in Welder Fatality at BP Pipeline - OES 2006-07
7. Preliminary Findings on Fatal Explosion at Texas Refinery - OES 2006-05

8. Verizon and DOE Meet to Share Operating Experience on Utility Damage Prevention - OES 2006-04

2005 Articles:

1. Operator Errors and Design Flaws Cited for Leak at British Reprocessing Plant - OES 2005-13
2. Refinery Explosion Involved Infrequently Performed, High-Hazard Work - OES 2005-11
3. Defeating Safety Interlocks Can Be Dangerous (NRC Information Notice) - OES 2005-05

2004 Articles:

1. Unexpected Excavator Bucket Releases Result in Fatalities - OES 2004-18
2. Failure to Inspect Piping System results in Fatal Steam Accident in Japan - OES 2004-16

Establishment of a DOE Operating Experience Committee

The DOE Operating Experience Committee (OEC) was established in November 2007. Its purpose is to support line management within DOE and the DOE community in developing and sustaining effective operating experience programs so that lessons from internal and external operating experience lead to improvement in future operational and safety performance.

The OEC will facilitate management and worker communications to promote the sharing of operating experiences and associated best practices for using operating experience to improve future performance.

The DOE Operating Experience Committee has been chartered as a Subgroup of the ISM Champions Council to fulfill the following objectives:

1. to meet Action 1.c of the Columbia-Davis Besse Action Plan
2. to strengthen the feedback and improvement ISM core function
3. to provide increased Federal leadership and involvement in the review of operating experience
4. to realize the benefits of learning from external operating experience (the OEC will open its membership to other government agencies, contractors, and private sector companies and individuals)

Designated members of the Committee consist of:

1. the designated DOE and Contractor Operating Experience Program Coordinators (as defined in DOE O 210.2) - about 90 coordinators,
2. the Director, Office of Analysis within DOE's Office of Health, Safety and Security, and
3. Chief of Nuclear Safety (CNS) and Chief of Defense Nuclear Safety (CDNS), or their designated representatives.

Associate membership in the Committee is open to:

All DOE federal and contractor employees, as well as to external representatives interested in sharing operating experiences and associated best practices - ~80 DOE and ~15 external.

Total Membership about 185.

The Steering Committee is comprised of:

1. One HSS Program Lead,
2. Four Contractor Coordinators,
3. Two Field Office Coordinators, and
4. Two Program Office Coordinators.

Task Teams have been created and are actively working on products, as follows:

1. Metrics/Program Effectiveness – to identify and compile a set of metrics to be used to evaluate program effectiveness.
2. Tools/Resources – to identify changes and improvements to the current DOE Lessons Learned Database, and determine if a new LL software program is warranted.
3. External Events – to search for and identify DOE applicable external events for review and to select an appropriate team of subject matter experts to review each event to identify complex-wide lessons learned.
4. CRADs to Assess DOE Order 210.2 Implementation – to develop HQ, Field, and Contractor CRADs for assessment (including self-assessment) of DOE O 210.2 implementation.
5. Qualification Standards for OPEX/Lessons Learned Coordinators – to determine the qualifications needed to properly perform the function of OPEX/Lessons Learned Coordinator for inclusion in the next revision to DOE O 210.2.
6. Procedures – to identify and compile a set of approved implementing procedures for posting to assist others in their implementation process.
7. Define the Attributes of a Good Lessons Learned – to develop criteria for screening and reporting LL effectively.

Conference Calls and Meetings

1. Conference calls have been held almost every month since September 2007 (missed only December 2007 and January 2008) – average participation over the last six months is 60.
2. Meetings have been held or are being planned, as follows:
 - a. November 27, 2007 at BNL, in conjunction with the 2007 ISM Workshop
 - b. March 24, 2008 at ORNL, in conjunction with an EFCOG Meeting - ~35 attended
 - c. August 26, 2008 at INL, in conjunction with the 2008 ISM Meeting - ~35 attended
 - d. Spring 2009 at WIPP (by invitation)