

## Process Safety Sharing Workshop held at National Grid Pipeline Maintenance Centre on 14<sup>th</sup> May 2009

### Attendance:

Tony Stonehewer	National Grid Transmission (Chairman)
Joanne Harris	National Grid Transmission
Ken Curtis	Eon
Neil Jackson	National Grid Distribution
Barry Dalus	Northern Gas Network
Andy Fuller	Northern Gas Network
Barry MacKay	Scotia Gas Networks
Jon Anstee de Mas	Exxon
Tony Taylor	Exxon
Marin Price	BPA
John Pope	PBA
Geoff Glover	Sabic
Donal Cullen	Shell
Tony Gillard	Shell
Terry Williams	Total UK
Michael Antoniou	Total UK
Garr Chau	Total UK
Ken Warner	SGE/ Total UK
J Haswell	UKOPA

### 1 Introduction

T Stonehewer introduced the workshop, outlining the purpose and format (PSWG/09/0010)



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Sharing Workshop.pdf

The purpose of the workshop was to improve the management of process safety risks for UKOPA member companies; by sharing working practices and processes for process safety risk management.

### 2 Format

The format of the workshop involved invited member presentations and open discussion covering the risk areas:-

Session 1 – Route management

Session 2 – Modification and Repair

Session 3 – Competency and Training  
 Session 4 - Leadership

Key points were collected and recorded under each session, and the benefits of and improvements to the process were then reviewed.

Presentations are given below.

Session	Risk Area	Member Presentations	Presentation File
1	Route Management	Shell EPE – Donal Cullen	 PSWG090011_Route Management - Shell.p
		Scotia Gas Networks – Barry Mackay	 PSWG090012_Route Management - :
		Exxon – Jon Anstee de Mas	 PSWG090013_Route Management - I
2	Modifications and Repairs	BPA – Martin Price and John Pope	 PSWG090014_Mod & Repair - BPA.pdf
		Sabic – Geoff Glover	 PSWG090015_Mod & Repair - Sabic.pdf
		National Grid Distribution – Neil Jackson	 PSWG090016 Mod & Repair - NGD.pdf
3	Competency and Training	Total – Ken	
		Northern Gas Network – Andy Fuller	 PSWG090017_Comp & Training - NGN.pdf
4	Leadership	National Grid Transmission – Jo Harris	 PSWG090018_Leadership - NGT.pdf

## 3 Key Points

### 3.1 Session 1 – Route Management

- a. Variation in method of aerial survey type of aircraft ranged from fixed wing to twin engine helicopters and quality of record generated.
- b. Variation in the definition of the scope of activities carried out during route walking surveys, dedicated surveys and combined CIPS line walking.
- c. Variation in the use of information relating to notification of infringement activities by 3<sup>rd</sup> parties.
- d. Activities carried out by 3<sup>rd</sup> party at night and the weekend is not subject to aerial or vantage surveillance.
- e. Variation in the definition of leak detection and monitored of this during route surveillance
- f. Variation in interface with Planning Authorities (and lack of communication /notification from planning authorities to operators of non-MAHPs)
- g. Requirements for management of mature trees on pipeline routes
- h. Requirements for and efficiency of surveillance in urban areas

### 3.2 Session 2 – Modification and Repair Process

- a. Application of procedures and control to temporary works
- b. Identification of criticality of modifications
- c. Use of “generic appraisals” to reduce bureaucracy
- d. Methods for competency assessment and assignment of technical authority
- e. Identification and management of changes to the original design philosophy
- f. Interfaces between mechanical/SCADA/control modifications (with particular reference to batch transportation of liquids)
- g. Definition of SCADA as a safety control system
- h. Consistency in the stage at which independent experts are involved and how this links with the user
- i. Management of bureaucracy and validity of sign-off process

### 3.3 Session 3 – Competency and Training

- a. Competency assessment of contractors
- b. Linking coaching and mentoring with appraisal
- c. Demonstration of adequate competence while managing gaps
- d. Desk based vs onsite assessment for operational personnel
- e. Maintaining staff interest and motivation
- f. Identification of training requirements for specific roles – actions on employees vs line managers and HR

- g. Management and use of employee and contractor competency registers
- h. Use of external assessors
- i. Requirements for proof of training
- j. Management of stress, fatigue and human factors (with particular reference to incident/emergency response by field staff)
- k. No uniform standard for assessment of skills and skill levels (possible review of UKOPA Competency and Training Assessment Framework – UKOPA/03xxx)

### 3.4 Session 4 – Leadership

- a. Essential engagement of management at a senior level
- b. Need for use of KPIs, understanding of these and modification of scores by senior management
- c. Requirement for effective audit and lessons learnt process
- d. Value of external vs internal audit
- e. Requirement for process safety awareness training (value of small group allowing interaction and understanding of complex case studies)
- f. Means of ensuring process safety culture remains active

## 4 Benefits and Improvements

### 4.1 Benefits

The benefits of the process safety benchmarking and sharing workshop were identified as:-

- a. Sharing of learning
- b. Identification of perceived best practice
- c. Creation of a package of work to facilitate operator improvements and reviews
- d. The benchmarking process is useful in identifying gaps, strengths and weaknesses
- e. The sharing workshop provided a useful networking forum

### 4.2 Improvements

The improvements to the process safety benchmarking and sharing workshop were identified as:-

- a. More focussed questions for input to the workshop
- b. More guidance on the structure and length of presentations
- c. Make sure presentations are balanced (using focussed questions, and presentations from at least two operators per subject)
- d. Ask operators to discuss what they have changed as a result of learning from the process safety benchmarking
- e. Identify specific topics currently captured under main risk control headings
- f. Look for links back to the UKOPA Fault Database and Infringement Database.

## Record of attendance form

### UKOPA Process Safety Sharing Workshop National Grid – Pipeline Maintenance Centre, Ambergate, Derbyshire

<b>Date of meeting:</b>	<b>Thursday 14 May 2009</b>		
<b>Session lead by:</b>	<b>Tony Stonehewer &amp; Jane Haswell</b>		
<b>Attendees (print name)</b>	<b>Company</b>	<b>Contact Tel No</b>	<b>Email Address</b>
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