

## **Summary of the Key Points from the Notes of the Meeting held at Guisborough Hall, Teesside on 18th/19th May 2005**

### **Present:**

P. Brown, Transmission Policy Manager, National Grid Transco (Chairman) (18<sup>th</sup> only).  
R. Ellis, Manager, Pipeline Group, Shell UK Ltd.  
M. Harrison, Olefins S&D Operations Manager, Huntsman Petrochemicals (UK) Ltd.  
L. Boswell, Pipeline Availability Team Leader, bp FPSI.  
N. Jackson, Transmission Policy Adviser, National Grid Transco.  
K. Curtis, Pipeline Engineer, e.on UK Ltd.  
R. White, General Manager, Total (UK) Ltd.  
D. Cullen, Senior Pipeline Supervisor, Shell Expro.  
P. Docherty, Mechanical Engineering Manager, Semcorp Utilities.  
T. Taylor, Pipeline Plant Manager, Esso Petroleum Co. Ltd.  
D. Gray, Pipeline Protection Engineer, Esso Petroleum Co. Ltd.  
J. Varden, General Manager, OPA.  
Paul Mitchell, Contract Manager, Unipen Ltd.  
D. Perry, Engineering Manager Network Policy, National Grid Transco.  
L. Haw, Huntsman Petrochemicals (UK) Ltd.  
E. Reeder, Contract and Services Team Leader, Innovene, BP.  
B. McKay, Pipeline Users Group (PLUG).  
Martin Alderson, Network Integrity Engineer, National Grid Transco.  
David Wilkes, BG Group.  
J. Trounson, UKD Policy Manager – Transmission, National Grid Transco (19<sup>th</sup> only).  
S. Chatfield, HSE (19<sup>th</sup> only).  
P. Rycroft, HSE (19<sup>th</sup> only)  
R. McConnell, Consultant.  
J. Haswell, Consultant, Pipeline Integrity Engineers Ltd.  
W. P. Jones, Pipeline Integrity Engineers Ltd, (Secretary).

### **1 Presentations from Visitors**

Four presentations were received from during the course of the meeting:

#### **1.1 Grouted Tee Technology - by Dan Vu, Advantica**

The overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0068.

The presentation covered:

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- The background to the development.
- Grouted tee description.
- Qualifications Programme.
- Case Histories and Customer List.
- Benefits.

## **1.2 HSE Approach to Inspections - Peter Rycroft, HSE**

The overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0074.

The presentation covered:

- Main Purpose for Inspection of Pipeline Operators.
- Main Legislation.
- Annual Reviews/Inspections – Generic Agendas.
- HSE –Recent Interests.
- Human Factors – HSE Concerns.

## **1.3 Vibration Related Failures - Mike Wastling, Advantica .**

The overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0075.

The presentation covered:

- Causes of Vibration Failures at Pressure Reduction Stations
- Examples
- Advantica/Transco Approach to Tackling the Problem
- Progress to date and lessons learned.

**All presentations were well received by Members.**

## **2 Presentations from Working Group Chairmen**

Following discussions at the last meeting, it had been agreed that it would be beneficial to all to receive short presentations from the Chairman of each Working Group on the work being progressed by the group. As agreed, the presentations included a review of the Terms of Reference and Objectives and include confirmation that the original drivers still apply. Each presentation was followed by questions and discussion and consideration of any suggestions for changes. Questions raised are not listed in this summary of the key points of the meeting.

### **2.1 Fault Data Management Working Group (FDMG) – Roger Ellis**

The overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0069.

In discussion it was noted that it is important that Members continue to report and share experiences of failures and incidents, including lessons learned, so that best practice can be promoted in the industry and that the UKOPA database continues to provide data which is representative of UK pipelines.

The session was concluded with agreement that the work of Fault Database Management Group is fundamental to the safety management of pipelines and that the work should continue to achieve the stated objectives and deliverables.

## **2.2 Emergency Planning Working Group (EPWG) – Jane Haswell**

Jane opened the presentation by reminding Members that due to the fact that the HSE has decided not to progress the proposed amendments to the Pipelines Safety Regulations, including the requirements for the testing of emergency plans and the intention to allow Emergency Planning Authorities to charge pipeline operators for such test. As a result, the workload of the EPWG had reduced considerably and recent effort had been directed at recording the work that had been completed to date relating to emergency plan testing. Consequently, the presentation is potted history of events.

The presentation covered terms of reference, original drivers, objectives, deliverables, programme and current status and overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0070.

Jane went on to say that the Working Group had been actioned to consolidate and place on record the work done relating to emergency plan testing, so that it can be used in the future if and when required. This action included submission of the draft ACoP and guidance text agreed with Local Authority Emergency Planners and HSE representatives, and the best practice document to the WGP for approval and submission to the MHSC with the recommendation for use when the issue is revisited in future. This has been done, so it is now recommended that these documents should be posted on the website. The recommendation was supported.

In relation to preparation of Emergency Plans, it was reported by Martin Alderson that as a result of the Civil Contingencies Act Transco had been requested to supply similar information to that which had already been supplied previously to Local Emergency Planning Authorities for preparation of emergency plans, and that there appears to be little coordination between Emergency Authorities in this respect. As a result Transco has prepared a single standard document for use by the whole of Transco, and it was recommended that this approach could also be adopted by UKOPA. The suggestion was supported and, in response to an offer from the Transco representatives, it was agreed that a copy of the Transco document would be posted on the website in the first instance.

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It was noted that the Emergency Planning Work Group also manages the development and organisation of PERO (Pipeline Emergency Response Officer) Courses, and Roger Ellis reported details of planned courses and availability as follows:

**Course Dates:**

- June 28th & 29th - Fully Booked
- Sept 21st & 22nd - 7 places available.
- Nov 22nd & 23rd - 8 places available.

**Costs:**

- £420 per person.

The Chairman closed the session by stating that the Emergency Planning Group was now fairly dormant but would continue to complete the consolidation of work to date and to oversee the continued development and planning of the PERO courses on behalf of the Association. This was supported by Members.

### **2.3 Risk Assessment Working Group – Rod McConnell**

The presentation by Rod covered terms of reference, rationale for the work programme, delivery to date, actions planned for the next meeting and specific points. The overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0071.

There followed a long discussion on the history of the use of QRA relating to pipelines, and specific reference was made to the paper by Rod McConnell titled UKOPA History of Land Use Planning which is posted on the website – reference UKOPA/05/0042. This is recommended reading for all Members. In addition it was noted that a paper is to be presented at a conference in Lake Buena Vista, Florida in May 2005 on the predictive model developed for UKOPA by Advantica in 2004. The paper was prepared and presented by Bob Andrews of Advantica with the approval of UKOPA, and Neil Jackson accepted an action to provide a copy for posting on the website.

In conclusion it was agreed that the work of the Working Group was still very relevant to the needs of Members and that the work programme should progress as planned

### **2.4 Working Group on Pipelines -WGP (including Working Group – Risk Assessment)– Jane Haswell**

The presentation covered terms of reference, original drivers, objectives, deliverables, programme (chronology) and current status and overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0072.

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Following discussion, the session closed with Members agreement that the work of the WGP was fundamental to the Associations' goals relating to land use planning, and that continued support and commitment was essential towards that purpose.

## **2.5 Infringement Working Group – Mark Harrison**

The presentation covered the objectives of the working group, progress relating to the objectives, areas of success and current activities and issues, and the overheads used in the presentation have been posted on the Association's website - reference UKOPA/05/0073.

Following the question and discussion session, Mark requested Members feedback/support on specific issues as follows:

(i) Should the format of the reporting form be amended as recommended to include an additional field to confirm whether the infringement activity had been prenotified?

This was discussed and supported, and it was also agreed that two further fields should be added; one to provide an opinion whether increased surveillance would have prevented the situation, and one to identify whether the infringement was in a rural or suburban area as discussed earlier.

(ii) Consideration is being given to the development of a web based system so that Members can up date on line.

The proposal was accepted.

(iii) HSE proposal to make an input to 'Utility Week' – HSE suggest drafting an article and having it issued under the UKOPA banner?

The proposal was supported and Steve Chatfield agreed to ask Jim Stancliffe to recommend magazines for publishing the article.

(iv) Proposal to combine forces to fund a venue for a joint seminar with NGT on asset protection.

The proposal was supported.

(v) The Working Group will circulate the communications for Members to complete and the Group will review and attempt to identify best practice.

The Chairman concluded the session with agreement of Members that the development of the Infringement Database has been worthwhile and successful, and that it should be progressed as planned.

## 5. Feedback and Discussion on the Format of Future Meetings

The Chairman reported that feedback from Members has suggested that a more balanced meeting is required with:

- i) Greater participation by Members.
- ii) A higher emphasis in operational/day to day matters.
- iii) Careful selection of presentations which are relevant to Operator activities.
- iv) More focused reporting by the Working Groups.
- v) Less administrative/financial discussions – these should be covered by the Management Council.

Following discussion it was accepted that it would be difficult to implement a total change by the September meeting. Following lengthy discussion, the following presentations were agreed for the September meeting:

### (i) External

- Pipeline hydraulic modeling package by Atmos International – R. Ellis to arrange.
- Use of ISDN Private Wire Circuits for the Transmission of Data. (title to be confirmed) – D. Cullen to arrange.
- Feedback from HSE Inspections of Contractors – Mark Harrison to arrange.

### (ii) Internal

Members who had recommended intelligent pigging were asked to liaise with each other with the objective of proposing a framework at the September meeting for a presentation on pigging at the January 2006 meeting. The proposal to include details on proposed presenters which can be external presenters or Members or a combination of both. The proposal was discussed and accepted and Shell Expro (Donal Cullen), Shell UK Ltd (Roger Ellis), Transco (Neil Jackson) and BP (Lindsay Boswell) accepted the action to progress the matter.

In conclusion the Chairman thanked all Members for the feedback which had been received and asked all to continue to consider how the meeting could be improved and to provide feedback as and when appropriate.

## 6. Reports on Incidents.

Five reports were received:

### 6.1 Shell Brent Bravo

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This involved an offshore incident which resulted in two people being killed and Shell being prosecuted and fined. A detailed investigation had been carried out and one of the underlying factors had been the narcotic effects of hydrocarbons.

## **6.2 Moling Operation**

This incident occurred during the relaying of a service using the moling technique. The mole penetrated a sewer which became blocked and subsequent clearing of the blockage by the contractor resulted in a syphon effect which cleared the water traps in the house. During clearance of the blockage the contractor had cut the service pipe and the leaking gas tracked through the sewer into the house.

## **6.3 LNG Terminal Egypt**

This involved an incident on an LNG terminal in Egypt in which four people were killed. A welder had had entered a large diameter stainless steel pipe which was full of inert gas to inspect a weld and was overcome by the gas. Two colleagues entered the pipe to try and get him out and were followed by another. All four were overcome by the gas and died.

## **6.4 Overhead Cables**

Members were informed of an incident which occurred on a plant in India where work was being carried out on equipment using a mobile scaffold platform. The mobile scaffold was moved and touched overhead cables which resulted in one of the workmen being killed and one being severely injured.

## **6.5 BP Refinery Texas**

It was noted that a report of the incident which occurred on the BP owned refinery in Texas which resulted in 15 fatalities has been published and is available for viewing on the BP website.

**Circulation – Pipelines Industries Guild.  
Pipeline User Group.**