



PIWG Progress Update Meeting, February 2015

Graeme Pailor
PIWG Chairman

General

Meetings

- From now onwards the PIWG and the FARWG will hold separate meetings (although they may be arranged to run concurrently).
- First PIWG meeting scheduled for 25 March in Ambergate

Membership

- Currently 13 group members across all sectors
- ToR for group has been issued to Board for information

PIWG Aims

- ❑ Act of behalf of UKOPA Members as the expert body on pipeline integrity and defect assessment issues.
- ❑ Support, on behalf of member companies, the development and acceptance of appropriate good practice for pipeline integrity management and defect assessment.
- ❑ Provide the specialist / expert point of contact for UKOPA internal and external communications on pipeline integrity / defect assessment issues.
- ❑ Provide a formal UKOPA interface with HSE for discussions on pipeline integrity related issues.
- ❑ Provide a point of focus within UKOPA for commissioning and progressing technical work related to pipeline integrity and defect assessment with external expert bodies and technical specialist organisations including Universities.

Current Initiatives (1)

Dent Management

FEA validation of dents

- Model results give good alignment with PRCI data (following error correction in source data). A report on findings is to be issued.

Dent Management Strategy / Fatigue study

- Flowcharts in DMS are to be coded into an Excel spreadsheet for use by all UKOPA members. Members who have provided dent data will have their data pre-populated.
- Analysis of all submitted data will allow shortlisting for further analysis associated with fatigue

Dents on welds

- For assessment of these, weld data is essential. A mechanism for gathering historic weld data through destructive testing is being developed.
- A proposal for a testing regime is in draft. Once approved a budget proposal will be developed to carry out testing on spools 'donated' by member companies

Field Investigation Protocol

- A proposal for the development of a dent investigation protocol is in hand

Current initiatives (2)

Sleeve Management

- Phase 1A is now complete. Data from 4 pipelines have been analysed with some additional further work identified based on this analysis. The method for import of data to the analysis tool has been proven.
- A scope and budget for Phase 1B, to gather and analyse a larger dataset, is being developed.

Seismic Study

- Phase 1 study is nearing completion.
- Ground acceleration has been mapped for soft and stiff soils using a BGS technique, but at higher ground acceleration.
- Application of this information to pipeline design and operation is to be agreed.

Current Initiatives (3)

- Documents for publishing
 - GPG – Management of Shallow Pipelines
- Documents to be developed
 - Managing Pipeline Dents
 - Managing Pipeline Sleeves
 - Managing Stress Corrosion Cracking
 - Managing and Mitigating the Impacts of Ground Movement
 - Managing Seismic Risks For Pipelines

Questions?

