



PIWG Progress Update Meeting, February 2019

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General

Meetings

- The first 2019 meeting was held in January. Further meetings are planned in April and September.

Membership

- Currently around 25 group members / interested parties across all sectors

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.

Standards Committee Update

- The report for the second half of 2018 was 'light' on progress against the planned update schedule, with very little change

Recap of Progress (1)

- ❑ The following Good Practice Guides have been issued or are going through the governance process:
 - ❑ GPG-001 Management of reduced depth of cover (issued)
 - ❑ GPG-004 Dent Management Strategy (issued)
 - ❑ GPG-005 Sleeve Management Strategy (issued)
 - ❑ GPG-006 Specification for impact protection slabs (issued)
 - ❑ GPG-009 Stress Corrosion Cracking (issued)
 - ❑ GPG-017 Line Walking (issued)
 - ❑ GPG-018 Pipeline remaining life (work-in-progress)
 - ❑ GPG-019 Seismic Screening Process (recommended for approval)
 - ❑ GPG-020 Management of natural ground movement (recommended for approval)
 - ❑ GPG-021 In-line-inspection (in governance)
 - ❑ GPG-026 Verification of ILI Features (recommended for approval)
 - ❑ GPG-027 AC Corrosion Mitigation (in governance)

Recap of Progress (2)

- ❑ The following Technical Briefing Notes have been issued or are going through the governance process:
 - ❑ TBN-001 Ethylene Decomposition in Pipelines (recommended for approval)
 - ❑ TBN-??? Pipeline Integrity Signpost Document (work in progress)

- ❑ The group have also started discussions on how best to make controlled spreadsheet tools and calculators available to members.

2019 Work Plan

- Sleeve Assessment Work phase 1B
- GPG for Pipeline life extension
- AC interference follow-up group
- Develop standard for epoxy shell repairs
- Weld Quality Project
- Seismic screening – development of risk assessment techniques
- Investigation into temporary repair types and applicability
- Development of a Damage Assessment Guide
- GPG for DC interference
- GPG for 'hard to pig' lines

Sleeve Assessment Work

- ❑ Following high cost of Rosen proposal the work has been discussed with the vendor
- ❑ Some further review work is to be done by NGN to assess the differences between ILI vendor reports
- ❑ A spreadsheet has been developed with included macros to extract the required data
- ❑ Following testing, this will be issued to interested members to run and gather data for further assessment
- ❑ A request for participants is likely in Q1 2019

GPG – Life Extension of Pipelines and Associated Installations

- GPG Draft B issued for comments to PIWG
- Includes sections on:
 - Fatigue life
 - Lack of historic records
 - Corrosion in non-inspected lines

- Document is expected to proceed to governance in late 2019

AC Corrosion Follow-up

- ❑ The work completed on the AC Interference GPG flagged up some specific issues around management of change on the electricity transmission network
- ❑ This topic also interests the HSE
- ❑ The topic will become more relevant as the network develops to accommodate renewable sources
- ❑ UKOPA are seeking to engage with the Energy Networks Association to determine a way forward to ensure unintended consequences as a result of changes to voltage and current on the network are identified and properly managed

Standard for Epoxy Shell repairs

- The scope for a standard for epoxy shell repairs (analogous to BS EN ISO 24817 for Composite Repairs) has been developed
- Gary Senior is overseeing progress for UKOPA
- Draft documents have been issued to UKOPA for comment
- Issue of final documentation is expected mid-year with governance to follow

Weld Quality Project

- ❑ The final piece of the originally planned work is the Atco testing, which is nearing completion. A full report is expected from Atco in the coming months
- ❑ A sub-group of gas operators has been formed to review the P18 document in light of the results and recommend any changes

GPG – Seismic Screening Assessment of pipelines and associated installations

- GPG has been drafted and is going through the governance process.
- Screening methodology included.
- A further piece of work is required to develop more detailed risk assessment techniques for those pipelines / installations which the screening deems 'at risk'.
 - This work is to be scoped and costed
 - Any commissioned work will be included in the next revision of the GPG

Investigation into Temporary Repair Techniques

- A sub-group is being formed to investigate what temporary repair techniques are used and for what purpose
- A questionnaire has been issued within PIWG to collect information
- Once the data is analysed a scope of work will be developed

Development of a Damage Assessment Guide

- ❑ The group have determined to investigate what guidance member companies use for damage assessment
- ❑ Once the guidance is understood it will be determine whether or not any additional work is required to assist members
 - ❑ E.g. is there any drive to create a generalised P11-style document which covers all fluid types?

GPG – DC interference

- A guide for management of pipelines which are susceptible to DC currents has been scoped
- A quote for development of the guide has been received. An order is to be placed shortly.

GPG – Hard to pig lines

- A GPG covering inspection options for 'hard-to-pig' lines has been suggested
- This would cover 'state-of-the-art' non-invasive inspection techniques with any field experience in deploying them
- An opportunity to work with EPRG on this may be available
- Scoping work is to start



Questions?
