



FARWG Progress Update Meeting, February 2015

Graham Goodfellow
FARWG Chairman

FARWG

☐ Fault (Data) and Risk (**Assessment**) Working Group

General

☐ Meetings

- ☐ From now onwards the PIWG and the FARWG will hold separate meetings

 - ☐ Initially on concurrent days as many members on both....

- ☐ First FARWG meeting scheduled for 26th March at Ambergate

☐ ToR for new group defined

☐ Membership

- ☐ Currently 12 member companies represented

 - ☐ Gas, Liquid & Petrochemicals

Membership

- ☐ Following members have confirmed:
 - ☐ Roger Ellis, Essar
 - ☐ Graeme Pailor, Sabic
 - ☐ Morgan James, Wales & West
 - ☐ Fridolin Jenny, Swissgas
 - ☐ Arnaldo Latas / Antonio Caraballo, bp
 - ☐ Steve Potts / Robert Owen, NG
 - ☐ Richard Price, bpa
 - ☐ Stephen Humphrey, OPA
 - ☐ Kristina Brazenaite, NGN
 - ☐ Graham Canty, Gas Networks Ireland
 - ☐ With support from
 - ☐ Jane Haswell, Rod McConnell, Mike Acton and Neil Jackson (Secretary)

FARWG ToR – Aims

- ❑ Act of behalf of UKOPA Members as the expert body on pipeline risk assessment and pipeline fault data issues.
- ❑ **Support**, on behalf of member companies, the **development and acceptance of appropriate pipeline risk assessment methodologies**
- ❑ **Collect pipeline fault data**, develop, maintain and periodically report on pipeline faults and damage to the notified major accident hazard pipeline population in the UK.
- ❑ Provide the specialist / expert point of contact for UKOPA internal and external communications on pipeline risk assessment and pipeline fault data related issues.
- ❑ Provide a formal UKOPA interface with HSE for discussions related to the collection of pipeline fault data; the development of pipeline risk assessment methodologies; the definition of risk criteria, land use planning, design codes related to risk assessment and pipeline routing and any changes to legislation related to these areas.

FARWG Future Workload

☐ 4 key areas

- ☐ Continuation of existing (FDMG) work
- ☐ Improvements to Fault Database
- ☐ Better Use of Existing Data
- ☐ Risk Assessment & Failure Frequency Prediction

Potential Studies

Improvements to Database or Better Use of Existing Data

- ☐ Develop non-MAHP database
- ☐ New baseline for database
- ☐ Data significance awareness seminar
- ☐ Consider accepting ILI data (screening limit & tolerance issues tbc)
- ☐ Investigate effect of digs on apparent hit rate
- ☐ Investigate effect of mitigation by management action
 - ☐ Ratio of faults to product loss by type?
- ☐ Develop corrosion model for industry
- ☐ Collect weld quality data

Potential Studies

Risk Assessment and Failure Frequency Prediction

- ❑ Strategic review of NG COOLTRANS report on 3rd party damage prediction
 - ❑ Denting force rather than dent depth
 - ❑ Distribution types
- ❑ Update distributions at 5 yearly intervals
- ❑ Develop population density screening tools for other fluids
- ❑ Issues associated with risk of loss of supply / resilience

Questions?

