

UKOPA

United Kingdom Onshore Pipeline Operators' Association

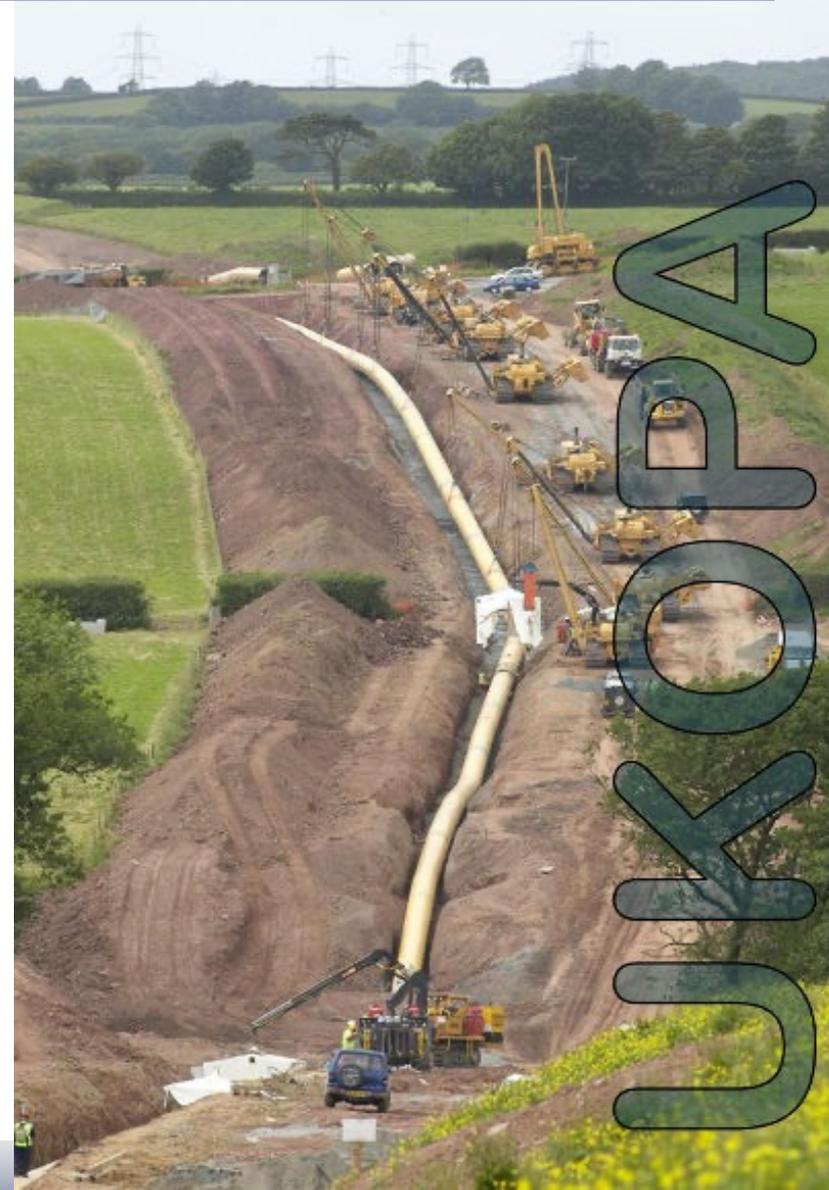
UKOPA Members Meeting Update

Grant Rogers
UKOPA Chair

VIA TEAMS

Tuesday 15th February 2022

www.ukopa.co.uk



TEAMS Meeting Etiquette

- For this session, please
 - Please ensure your **microphone is muted & webcam is off**
 - Use the chat facility to raise any questions during the session ... this will also allow us to get back to you with a response if we didn't have time to answer your question during the session

Competition Law Reminder

“This is a meeting of competitors and competition law must be strictly adhered to both during the meeting and any breaks. Discussion should be limited to the items on the agenda, which was circulated beforehand. There should be no discussion on sharing of commercially sensitive information such as price, costs, markets, investments. Should the discussion stray onto potentially sensitive topics you should object and insist that the discussion is immediately stopped.”

GDPR Reminder



Is everyone happy with their name being added to the minutes?

Agenda

- Board Update
- Working Group updates
- Pipeline Rates update
- Members Sharing
 - Incidents / learnings
- Thanks & Close

UKOPA Overview

- UKOPA is an industry group comprised of UK onshore pipeline operators
- UKOPA exists to provide the recognised and authoritative view of UK pipeline operators on strategic issues relating to safety management, operations and integrity management of hydrocarbon pipelines. It seeks to effectively influence the development and implementation of pipeline related legislation and standards for the mutual benefit of all stakeholders
- Produces Good Practice Guides and Technical Bulletins and carries out research to support the industry

UKOPA Organisation



Chair


Secretariat

Board of Directors










Members























International Associates






Technical Consultants

Board Update

- **Nov 2021 HSE – Board Liaison Meeting**
 - Risks associated with rail electrification
 - Change of land use (e.g. solar farm development)
 - Pipeline operators going into receivership
- **Dec 2021 and Feb 2022 Board Meetings**
 - End of year spend (2021) vs budget
 - Working Groups requested to provide key milestones and spend profile for their workplans

Board Update

○ Member update

- All bar 2 PO received and invoice issued
- No change in membership (still 30)

○ UKOPA Finances

- 2022 Membership Fees £8300
- 2023 to be discussed in May

○ Future events

- 24/25th May 2022 Board and Technical Seminar
- 11/12th Oct 2022 Board and Members Meeting
- Nov 2022 (tbc) Board / HSE Liaison Meeting

Board Update

○ UKOPA Board

- Grant Rogers to continue as Chair from Feb 2021-23
- Darren Thomas is Vice Chair and will become Chair from Feb 2023

○ UKOPA Strategy

- Next revision will take place at the October members meeting (deferred from Feb 2022 due to not meeting in person)

Board Update

- **BSI use of GPGs**
 - Governance Group Chair, Barry Dalus, to lead on behalf of UKOPA on the panel for PD8010 revision
- **UKOPA Chairs Award**
 - Nominations welcome
- **UKOPA Newsletter**
 - Aim for a printed copy in 2022 after Technical Seminar
- **UKOPA Future Consideration**
 - HAUC Diversionary Works Code of Practice review – oil operator required to represent UKOPA
 - Hydrogen/other database (PIWG to prepare proposal)

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United Kingdom Onshore Pipeline Operators' Association

PSWG Update

John Ferrari
PSWG Chair

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- Last meeting held on 9th February with 6 attendees (of the 12 member companies)
- Next meeting – 28th April 2022
- Focus of the last meeting
 - Proposal to drive creation of Safety Alerts

PSWG (current) Remit

- Conduct 2-yearly PSAT survey and prepare report
- To produce / update GPG and TBNs relating to process safety
- Update UKOPA Process Safety Good Practice Guide
- Review, agree and publish safety bulletins (with a process safety bias), learnings and incident awareness raising

Process Safety Work Areas

- In order to identify future work areas, members were requested to identify key process safety concerns
- This issues raised were grouped and prioritised as:
 - Process Safety Reviews
 - Behavioural Safety / Human Factors
 - Safety Culture & Leadership
 - Management of Change (Leadership)
 - Process Safety KPIs
- The Process Safety Review task has now been completed and considering is being given as to whether offering support / training for this GPG would be of benefit (please let us know what you think?)

Safety Alerts / Sharings

- Safety Alerts are the main area of concern for PSWG at present due to the low number being communicated
- The Feb 2022 meeting considered a proposal whereby an external facilitator will be used to assist members to prepare anonymised alerts / learnings
- Proposal is to start with member organisations of PSWG
- Reviewed and agreed process with the Board on 14th February 2022

PSAT update

- PSAT questionnaire is next due to be carried out in 2022
- The questionnaire will be issued following the June 2022 PSWG meeting for return in Autumn 2022
- All members who completed the 2020 survey will have received their individual company reports and there were no significant trends or findings that need to be followed up

PSWG Proposed Key Outputs for 2022



- Focus on preparation of Safety Alerts with support of an external facilitator – these will be anonymous!
- Revise 2022 PSAT questions for issue and completion by members
- Continue to progress Process Safety Work areas. Next area for focus is Behavioural Safety but this has been postponed until face-to-face meetings can be held

Process Safety Forum

- **Process Safety** is defined as a blend of engineering and management skills focused on preventing catastrophic accidents and near misses, particularly structural collapse, explosions, fires and toxic releases associated with loss of containment of energy or dangerous substances such as chemicals and petroleum products
- Managing **Process Safety** is essential and very often the issues that arise in one sector have direct relevance in other sectors. Useful general lessons can be learnt and principles adopted to promote a culture where good safety management is viewed as having a direct impact on the profitability and viability of any organisation be they large or small
- PSWG continue to represent UKOPA on the PSF with a rotating list of member attendees – in the December 2021 an overview of the UKOPA PSAT process was presented to the group, who were very interested in how UKOPA had developed this self assessment tool

Questions?

- Questions from the chat



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EPWG

Andy Middleton

EPWG Chair

Presented by Andy Fuller

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○ 11 members

- Andy Middleton Northern Gas Networks (Chairman)
- Nikki Barker UKOPA (PIE Secretariat Support)
- Paul Boyle Shell
- Aidan Bugler GNI
- Martin Burrows National Grid
- David Butterfield Exolum
- Andy Fuller UKOPA (PIE Technical Support)
- Robert Greaves National Grid (retired at Feb 2022 mtg)
- Thomas Hawkesworth Sabic
- Nicholas Spray Esso
- Dave Symonds Uniper
- Bob Wilkins National Grid
- Clive Zanker BPA

○ 1 x working group meeting since Oct 2021

- 2nd February

PERO (Pipeline Emergency Response Officer)

- Developed by UKOPA for UKOPA Members
- 2 day course including meals and accommodation
- 7 courses in 2022 costing £1179
- No reductions as run at costs
- Mixed operator course to aid sharing of learnings
- Bi-annual course audit took place in November 2021
- Dates for 2022 agreed and in place availability on June course
- Contract renewal from 2023 onwards



PERO (Pipeline Emergency Response Officer)



March 1st/2nd Fully Booked	April 6th/7th 1 place available	May 25th/26th Fully Booked	June 28th/29th Fully Booked
September tbc	October tbc	November tbc	

Contact UKOPA (Nikki) to book your place

Hazard Awareness Course



2022 Course Date

4th May 2022

Location:

**DNV Spadeadam
MOD R5, Gilsland,
Brampton,
Cumbria,
CA8 7AU, UK**

Cost: £750 (Ex VAT)
Excludes travel & accommodation

- 1 day course featuring a number of live demos and class room sessions
- 4th May 2022 – DNV Testing Facility, Spadeadam, Cumbria

Hazard Awareness Course

Day will include:

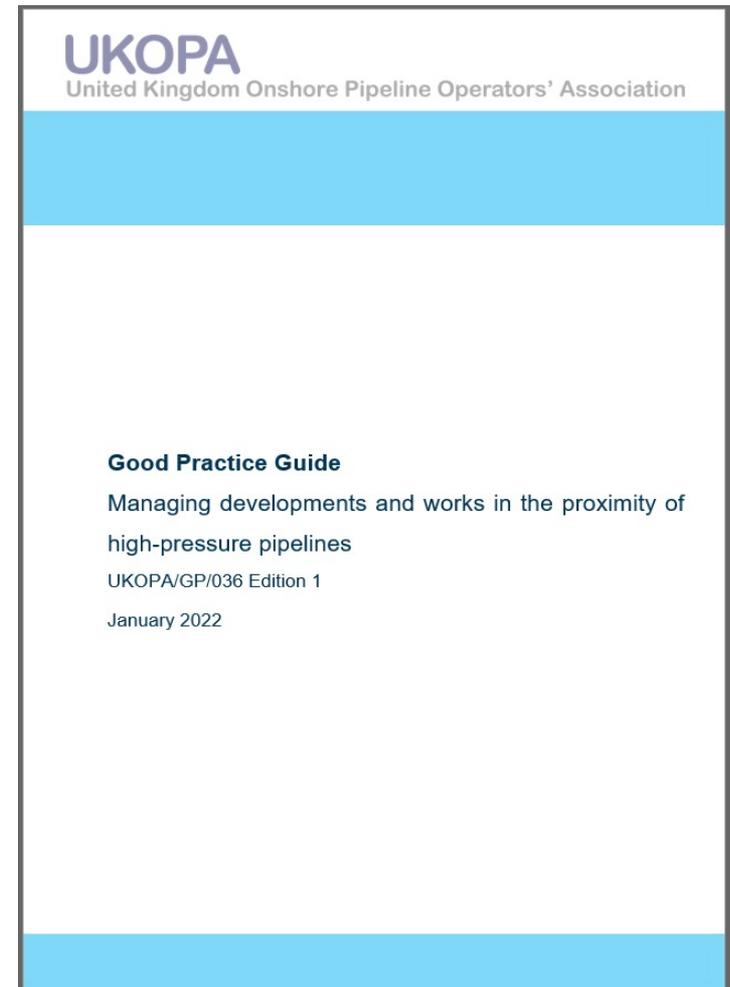
- Safety induction
- Classroom sessions and live demonstrations guided by a DNV Engineer
 - Diesel and Methanol Pool Fires
 - Jet fires: large natural gas, misaligned flange and valve spindle
 - Swinging Load
 - Confined vented gas explosion
 - Propane vapour cloud
 - Liquid propane gas explosion
 - Hydrogen detonation
- Tea and coffee throughout the day
- Buffet Lunch
- £750 per person
- Max 3 places per organisation (and numbers limited to 30 places in total)



GPG 036 - Managing developments/works in proximity to HP pipelines



- Joint GPG with FARWG & IWG
- Scope;
 - Requirements under PSR for operators and 3rd parties
 - Engagement with Local Authority Planners
 - Role of the HSE in planning applications
 - Step by step guide of considerations when reviewing planning applications
 - Guidance on steps to take if planning has been granted without knowledge including legal challenges and judicial reviews
 - Useful templates to be used when objecting/removing objection/witness statement for judicial review
- Approved by governance group and Board sign off on 14th Feb – to be uploaded to the website asap



What's Next and Future Plans

- Cross working group GPG looking at preparing and dealing with the effects of flooding. Volunteers for working group required (please let Nikki know). Initial meeting 27th April 2022
- Update PERO focused video to replace outdated Pipeline awareness DVD
- Emergency Planning Good Practice Workshop – EPC, York (29th September 2022)

EPWG – 2022 Schedule

Event	Date	Venue
Hazard Awareness Course	4th May 2022	DNV Spadeadam, Cumbria
EPWG Meeting 2	11 th May or 16 th June	TBC but hopefully Heysham Nuclear Facility
EPWG Meeting 3	28 th September	EPC, York
Emergency Planning Workshop	29 th September (TBC)	EPC, York

Questions?

- Questions from the chat

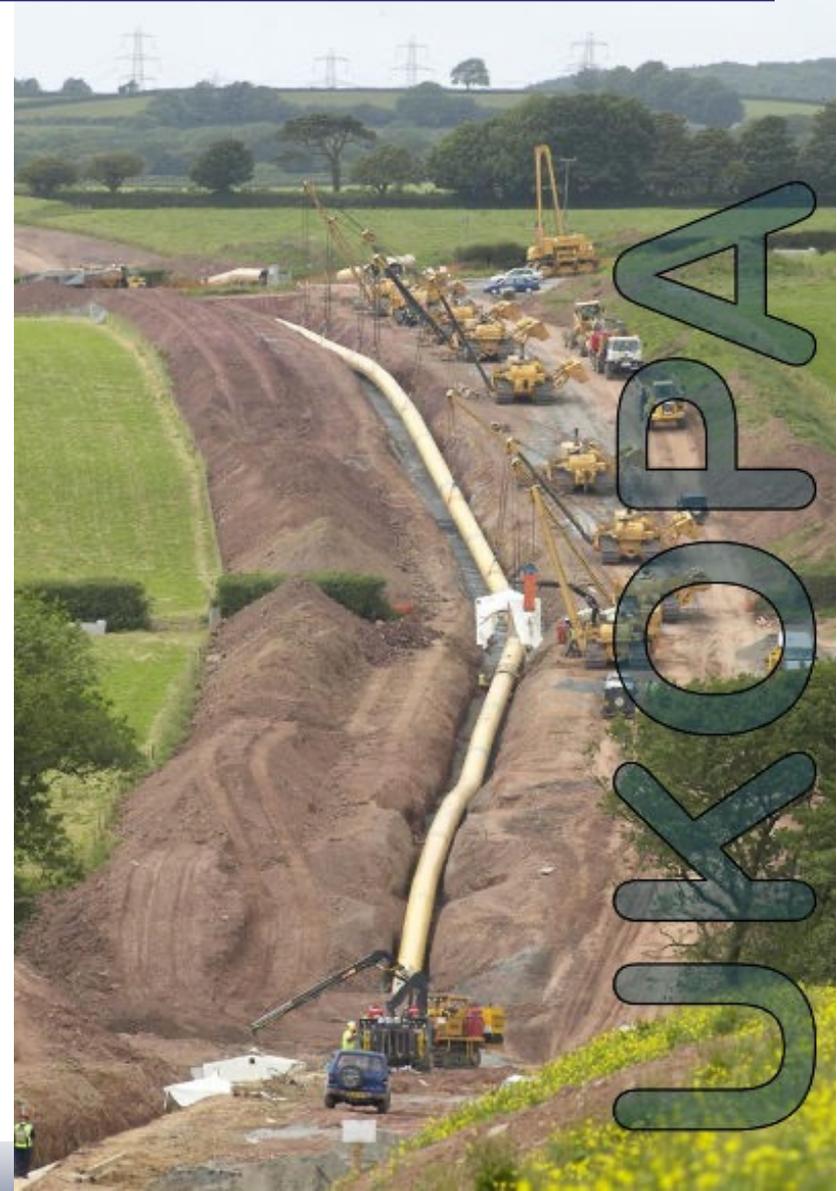


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FARWG Update Feb 2022

Darren Cushen
FARWG Chair



FARWG – Current Membership

- | | |
|------------------------------|-------------------------------|
| 1. Darren Cushen | Wales & West Utilities(Chair) |
| 2. Nikki Barker | PIE (Secretary) |
| 3. Simon Joyce | SGN |
| 4. Ryan Bentley | Cadent |
| 5. Kristina Brazenaite | Northern Gas Networks |
| 6. Dave Brown | Shell |
| 7. Daniel Dowling | Gas Networks Ireland |
| 8. Daniel Milne | Valero |
| 9. Stephen Humphrey | Exolum |
| 10. Fridolin Jenny | Swissgas |
| 11. Steve Potts | National Grid |
| 12. Richard Price | BPA |
| 13. Nick Procter | CATS |
| 14. Pamela Colgan | Mutual Energy |
| 15. Sean Patterson | Ineos FPS |
| 16. <i>Michael Acton</i> | <i>DNV GL</i> |
| 17. <i>Karen Warhurst</i> | <i>DNV GL</i> |
| 18. <i>Graham Goodfellow</i> | <i>PIE</i> |

Summary

- **2022 Meetings:**
 - 11th January – Virtual Meeting
 - 5th May – Location TBC
 - 13th September – Location TBC
 - Looking at the option of an in-person meeting
- **Key activities in 2022:**
 - Develop TBN/GPGs
 - Leak & Fault Database Update
 - Product Loss 2021 report (2020 to be published asap)
 - TD2 Update
 - IGEM/TD/1 Ed 6 H area guide (TBN)
 - FR1 update to include composite repairs (CP working group)

Good Practice Guides

Good Practice Guides	Complete	Progress
1	GPG for Management of Works Near HP Pipelines	99% To be published by this meeting

There are no GPGs or TBNs in the list for review by FARWG in 2022 or 2023

TBNs



	Technical Briefing Note	Complete	Progress
1	Oil Pipelines Drain Down Study	90%	Draft with Graham Goodfellow and Richard Price before FARWG review.
2	Managing Encroachment & Societal Risk for Oil Pipelines	-	No longer required (existing policy)

2022 FARWG Strategy & Future Work



- Feedback to FARWG from members and the board strategy is part of the group's agenda.
- Discussions within the group for other key areas of focus.
 - Initial discussion with GDN's regarding IGEM/TD/1 Ed 6 H areas output to be brought to the group for discussion in May.
 - Alternative non-QRA methods sub group meeting planned March 2nd
 - H₂ and CO₂ supplements to TD/2
 - AGI QRA Methodology

FARWG Ongoing Agenda Items

- Land Use Planning issues
- TD/2
- Take key points from the FARWG review and implement.
- Hydrogen and CO2 – Regular updates at the meetings

- A reminder - 2022 meeting dates
 - 5th May and 13th September

UKOPA Product Loss Incidents and Fault Report



- 2020 report has been delayed (encountered difficulties getting data from some members). Final reminder deadline was Jan 22
- Remember this report is useful to you as members
 - Land Use Planning (LUP) – The data is used to develop predictive model for external interference failure frequency. Without this data LUP planning zones will increase with more development compensation.
 - Pipeline QRA & QRA Code Supplements – This information will be used heavily for the new updates to TD2.
 - To understand fault data of the UK pipeline networks and the condition they are in.
 - This data is used as evidence to allow policies and procedures to change.
- FARWG have agreed that the request for fault data be sent in May. This will give member companies more time to gather the information with a final reminder in September.
- 2021 data is being compiled, please get your data in early!

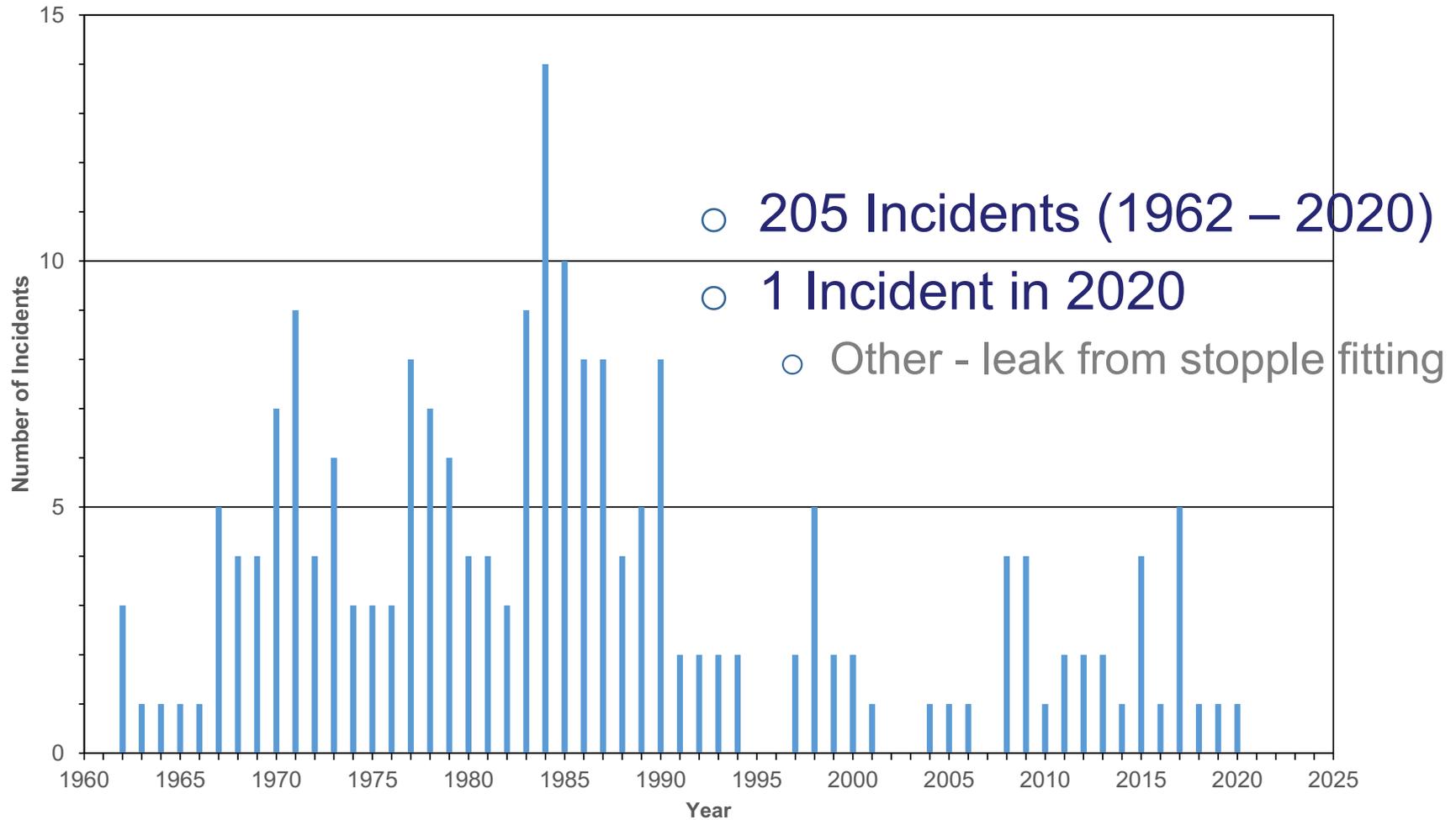
2020 Preliminary* Fault Data

Cause	Faults	Product Loss
External Corrosion	23	
Internal Corrosion	0	
External Interference	8	
Original Construction Damage	17	
Material defect (pipe, mill damage, seam weld)	3	
Girth weld defect	1	
Ground movement	2	
Other/unknown	6	1
TOTAL	60	1

* **Still** waiting for SGN South Fault & Pipeline Data

Product Loss Incident Data

Annual Number of Product Loss Incidents



Product Loss Incident Frequency by Cause



Cause	1962 - 2020	2016 - 2020
External Corrosion	42	1
External Interference	44	2
Girth Weld Defect	37	0
Ground Movement	7	0
Internal Corrosion / SCC	32	0
Lightning Strike	1	0
Pipe & Seam Weld Defects	16	0
Original Construction Damage	1	1
Other	16	5
Unknown	9	1
TOTAL	205	9

Recent Trends

Year Fault Discovered	Faults	Product Loss
2016	84	1
2017	65	5
2018	115	1
2019	18	1
2020	60	1

- Product Loss trend stable?
 - Occasional bad year or just several good years?
- Many 2019 faults reported in 2020 data
 - Pandemic effect?

Questions?

- Questions from the chat



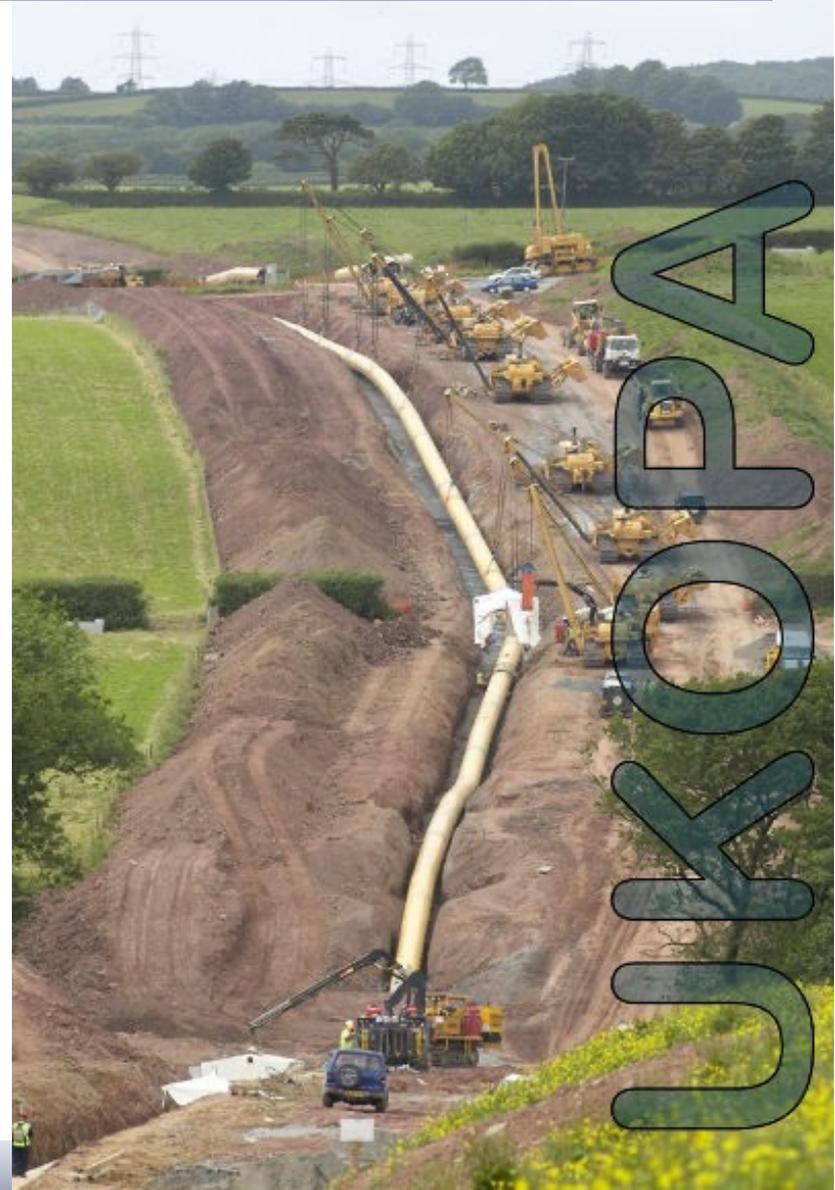
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IWG Update February 2022

Phil Taylor
IWG Chair

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Update

2022 Work Programme – Update

- 2021 Infringement Report
- Working with Agricultural Colleges
- Tree Planting Good Practice Guide
- Safety Briefings

2021 Infringement Report

- Data received from Linewatch and Shell and Perenco
- Request for non Linewatch members to submit data by the end of February – if this cannot be achieved please let us know
- Objective remains to produce 2021 report in a timely fashion to enable analysis and define and maybe change 2022 work plan

Working with Agricultural Colleges

- Objective to integrate a learning module with the next generation of people working in agricultural field or likely to encounter pipelines
- Learning module has been completed
- Working with Landex to launch course
- Course is available to members – please let me know if interested!
- Aim to gain take-up from as many Colleges as possible and to reach the widest audience
- Still would like for IWG members to visit colleges to present course and bring local perspective

Tree Planting GPG



- All pipeline operators are receiving similar requests of what types of trees will they accept close to the pipeline
- Idea to produce similar to Leaflet style publication on Safe Working in the Vicinity of Pipelines
- Sub Group formed Exolum, SGN and BPA

Safety Alerts

Another reminder to submit SAFETY ALERTS please!

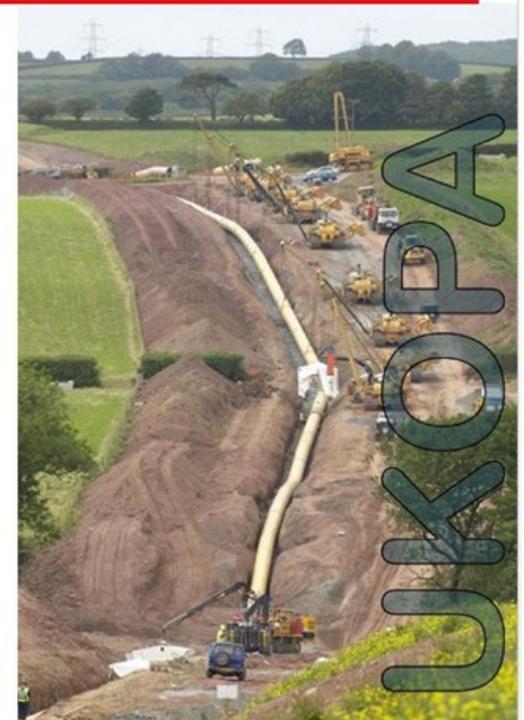
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**UKOPA SAFETY
ALERT**

**BPA UPLX
2020/11**

28th February 2020

This safety alert identifies issues, occurrences or incidents from the UKOPA membership. All content is for information and guidance, it should not be considered obligatory against the judgement of Pipeline Owners/Operators/Contractors



Questions?

- Questions from the chat



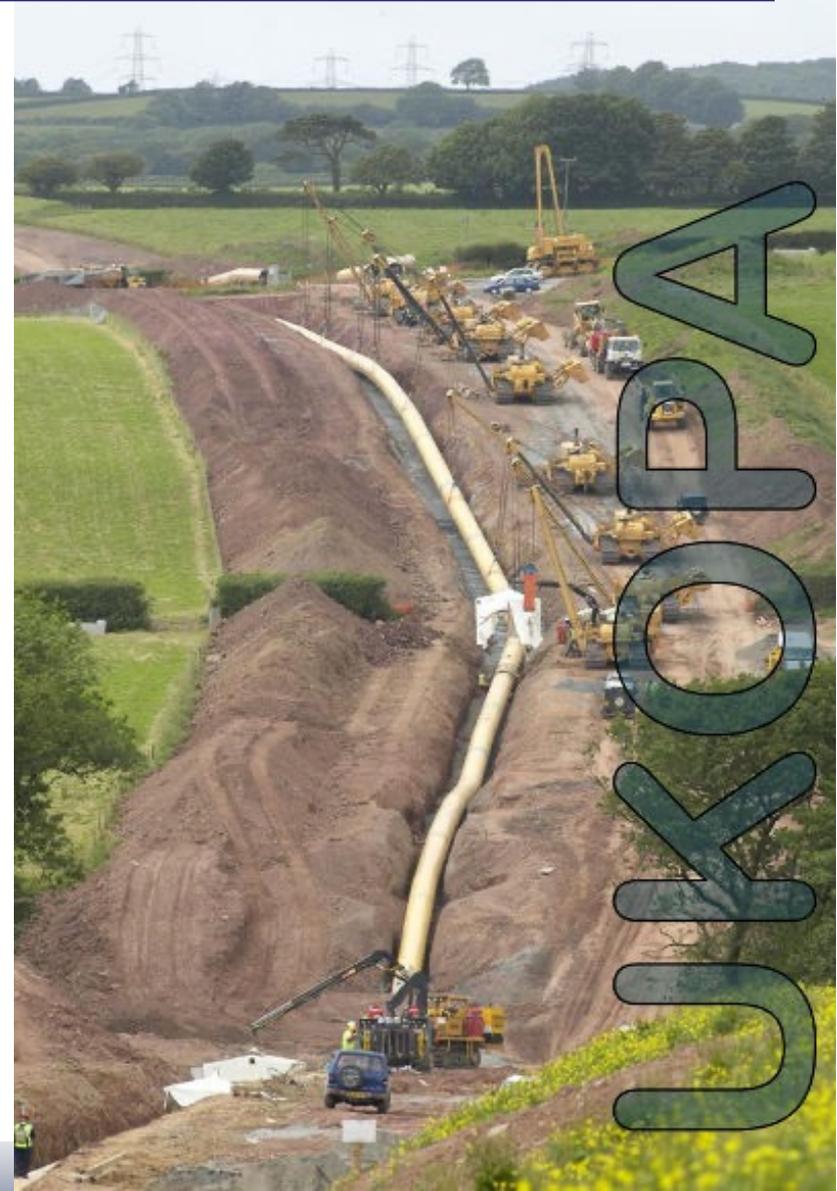
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PIWG

Tim Rudd
PIWG Chair

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PIWG Update – Focus Areas

○ Pipeline Sleeve Project

- Chris Lyons progressing this project to evaluate how/if corrosion rates differ under sleeves. Aim to complete this analysis by end of Q1 2022.
 - Preliminary results indicate substantially higher incidents of corrosion beneath sleeves than elsewhere
 - Further work required to differentiate defect types, whether internal/external, sizes of defect etc.
- Project utilises a Macro to identify pipeline sleeves in ILI runs (GE/PII and ROSEN) and compare features beneath sleeves with those outside
 - Additional work/development of Macro also identified after Operators have trialled in more scenarios

○ Weld Quality Project

- Further samples from current cut-outs being sent to Ambergate in preparation of future potential research.
- PIWG intend to fund two parallel research streams
 - 1) Focusing on repeating prior work but with pre-stressed samples to model effects of dents/deformation on vintage GW's
 - 2) Targeting a similar brief to the original weld quality work but focusing on Seam Welds to see how vintage low-frequency welds perform.
- Due to uncertainties around university/lab access in 2022 from C-19 decision made not to recruit students until Q3 2022 cycle (for 2023 start).

PIWG Update – Focus Areas

- **Review of faults on non-piggable pipelines**
 - A simple model has been produced to estimate the number of ‘missed faults’ on non-piggable pipelines.
 - PIWG have completed initial analysis, further development of model needed to fully develop probability of failure models for piggable vs non-piggable
 - PIE assisting with this, anticipate completion of initial work in Q2-Q3 2022.
- **ESR Strategy**
 - ESR Vendor Qualification documents developed by ROSEN, currently under test by John Ferrari/ESSAR
 - Still keen for other vendors and users to try in earnest
 - Unless more UKOPA vendors try this document we can’t gain enough traction with suppliers to use in earnest
 - Nikki will be posting in UKOPA members area in an easy-to-find location to allow others to access.

2021-2022 GPG/TBN reviews

- **GPG 001 Management of reduced depth of cover**
 - Document being expanded to include basic overview of stream/river crossing surveys and identification of wash-out etc.
 - Target delivery date of Q2
 - Suggest potential for a separate document with remediation strategies – or do members feel this (by nature) would be too generic as to be useful?
- **GPG 004 Management of pipeline dents**
 - Good input from subgroup to date, particular thanks to IneosFPS for taking lead on this.
 - Document to be issued once updated but PIWG plan to re-visit within <5 years (after next stage of Weld project) to update with further guidance on dents interacting with welds.
 - Target delivery date of initial revision late Q1/early Q2. Results of weld project to be incorporated circa 2024.
- **GPG 005 Management of pipeline sleeves**
 - Working with Chris Lyons & Barry McCay to update this document to take account of the current work on sleeves on unpiggable pipelines
 - Update of this document targeted for Q2 once sleeve/casing work completed in late Q1 this year.

2021-2022 GPG/TBN reviews

- **GPG 006 Impact protection slabs**
 - Updating to include information on plastic slabs. Cadent and NG have agreed to provide information on work they have carried out in this area
 - We are evaluating potential to get credit for protection from plastic slabs in Land-Use Planning scenarios.
 - Target completion Q2 this year
- **GPG 009 - Near neutral pH and high pH stress corrosion cracking –**
 - Minor editorial changes only, aim to issue to governance group by close of Q1.
- **GPG 033 Pipeline decommissioning and abandonment**
 - Questionnaire indicated not much Operator information available so this document will now most likely form a TBN rather than a full GPG
 - Jane/PIE working on collating costs and historical info for incorporation into document, we will aim to complete initial works in Q1 this year.
- **GPG 034 Life of Temporary repairs**
 - Codes recommend inspecting ‘temporary’ repairs periodically – aim of this subgroup is to develop guidance on what to look for and the degradation methods to be aware of
 - Particular interest around legacy ‘TEAM/Furmanite’ type clamps – potential to model performance of resin over time and in contact with product.
 - Liquid operators have recovered clamps and are looking to perform tests of resin to see how it degrades over time

Corrosion Prevention Working Group – February Members Meeting Update

Simon Joyce - SGN

CPWG Chair



Current Membership

- | | |
|---------------------------------|-----------------------|
| 1. Simon Joyce | SGN (Chair) |
| 2. Nikki Barker | PIE (Secretary) |
| 3. John Dyson | Corrosion Consultancy |
| 4. Ade Wathen | Cadent |
| 5. Andy Middleton/Michael Dass | NGN |
| 6. Morgan James | WWU |
| 7. Des Auld | Mutual Energy |
| 8. Scott Crockart | EPUKI |
| 9. Jim Jarvie | Ineos |
| 10. Barry Mackay/Mark Fisher | SGN |
| 11. Peter Martin | National Grid |
| 12. Pablo Merino | Exolum |
| 13. Kevin O'Keeffe/Frank Smiddy | GNI |
| 14. Neil Manson | Shell |

CPWG Aims

- Act on behalf of UKOPA Members as the expert body on Corrosion Prevention and electrical interference issues. With focus on Cathodic Protection Systems, coatings and for internal/external corrosion mechanisms.
- Support, on behalf of member companies, the development and acceptance of appropriate good practice for corrosion management.
- Provide the expert point of contact for UKOPA internal and external communications on corrosion issues.
- Provide a formal UKOPA interface with HSE for discussions on corrosion related issues.
- Provide a point of focus within UKOPA for commissioning and progressing technical work related to corrosion prevention with external expert bodies and technical organisations including Universities.

CPWG 2021-22 Timeline

- Chair appointed.
- Terms of reference agreed.
- Workplan decided.
- Technical consultant appointed.
- Working group meetings commenced.
- Draft GPG's being written.

Programme of Work



- Programme of work:
 - CP Competency Guidelines - Help the industry with the level of competency for CP inspections/reviews/decisions.
 - AC interaction Management GPG/TBN - Using the SGN Blackhillock incident to manage these issues and to review this with the HSE. Looking to try to engage with electricity operators to address new and existing a.c. interaction issues.

Programme of Work



- Programme of work:
 - Review of CP inspection frequencies based on corrosion rates Using data across the world/UKOPA corrosion data to review above ground CP inspection frequencies. Questionnaire has been sent out to the members.
 - GPG for CP around Electrified Fencing – A GPG for CP issues around electrified fences has been drafted.
 - Network Rail Infrastructure Crossings Guide - Guidance for operators based on the recent issues with electrified railway lines. This is being drafted.

Composites Database

- Composites repairs have been introduced as a repair method on HP gas pipelines - GN/PM/P/25 procedure.
- UK Gas Networks have asked if UKOPA could keep a centralised database of the composite repairs.
- Example of this data required:
 - Unique repair number;
 - Date of repair application/installation;
 - The systems operational characteristics
 - Materials of the pipe, reducers, tees or bends within the area under repair;
 - Design life of repair;
 - Due date of replacement or revalidation;
 - Repair details;
 - Coating details.

Composites Database

- CPWG feel that this is a good opportunity to have this data held centrally and to keep track of the composites being installed.
- CPWG would like feedback from the members if they have objections or wish to support this database.

Other CPWG items



- Solar farm developments - GPG014 update.
- Sleeve inspections - GPG005 update.

Next Meeting Date

- 18th May 2022 – Teams call.
- Members are welcome to join the working group.

Questions?

- Questions



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Governance Group

Barry Dalus
GG Chair

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Good Practice Guides Approved since last meeting



Number	Title	2022
UKOPA/GP/036	Managing developments and works in proximity to HP pipelines (EPWG)	Feb 2022

Technical Bulletins For Approval Feb 2022



Number	Title	2022
UKOPA/TB/015	Understanding role of PERO (EPWG)	Feb Board
UKOPA/TB/016	AC Corrosion signpost doc for GPG 027 (PIWG)	Feb Board
UKOPA/TB/017	DC Corrosion signpost doc for GPG 031 (PIWG)	Feb Board

Good Practice Guides under development



Number	Title	Date
UKOPA/GP/033	Epoxy shell repair (PIWG)	
UKOPA/GP/034	Temporary Life of Repairs (PIWG)	
UKOPA/GP/038	Decommission & Abandonment of Pipelines (PIWG)	
UKOPA/GP/040	Flooding (EPWG)	
UKOPA/GP/041	Tree Planting (PIWG)	

Technical Bulletins under development



Currently No TBN under development

GPG requiring review



UKOPA/GPG/1	Managing Pipelines with Reduced Depth of Cover
UKOPA/GPG/3	Pipeline Process Safety Performance Monitoring
UKOPA/GPG/4	Managing Pipeline Dents
UKOPA/GPG/5	Managing Pipeline Sleeves
UKOPA/GPG/6	Impact Protection Slabs
UKOPA/GPG/9	Near Neutral pH and High pH Stress Corrosion Cracking
UKOPA/GPG/10	MAHP Emergency Response Plan: Guidance on Testing
UKOPA/GPG/11	MAHP Emergency Response Plan: Emergency Plan Template
UKOPA/GPG/12	MAHP Emergency Response Plan: Testing & Exercising Pro-forma
UKOPA/GPG/13	Siting & Installation of Wind Turbine in the Vicinity of Buried Pipelines
UKOPA/GPG/14	Siting & Installation of Solar PV in the Vicinity of Buried Pipelines

TBN requiring review

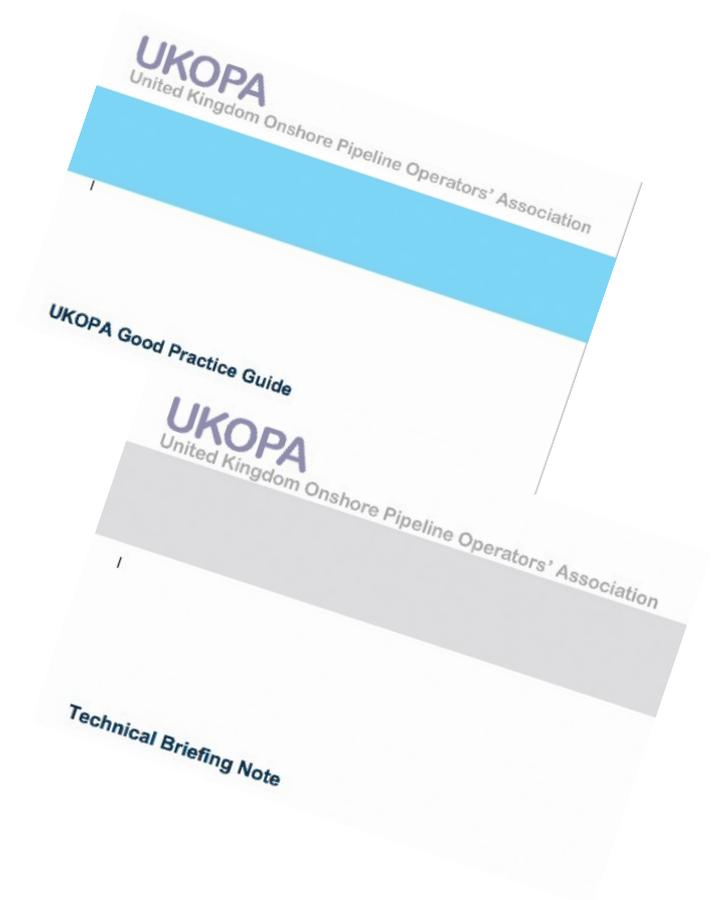


UKOPA/TB/9

Effect of Pipeline Surveillance on Risk of 3rd Party Interference

Summary

- **GPG**
 - *Completed = 29*
 - *Currently in progress = 5*
 - *Review required = 11*
- **TBN**
 - *Completed = 11 (+3 for Feb 2022 board)*
 - *Currently in progress = 0*
 - *Review required = 1*



What next !

- Complete GPG in development
- Identify documents for future developed & agree completion plan
- GPG & TBN for review to be progressed
 - *Do the Working Groups require any assistance to complete these reviews?*
- Please Update Gov Group of GPG & TBN progress
 - *Scheduling & budgeting*

Questions?

- Questions from the chat



UKOPA

United Kingdom Onshore Pipeline Operators' Association

Pipeline Rates 2023 Revaluation

Clive Zanker
February 2022



Pipeline Rates

- Pipeline Rates
 - Construction cost basis
- Currently working within the 2017 Revaluation
- The 2021 Revaluation was deferred by 2 years due to COVID
- Next Revaluation now April 2023
- The VO wishes to update the agreed basis for 2023 - change in materials and construction costs from the 2021 revaluation
- Operators may have received questionnaires

Pipeline Rating Forum

- Process adopted previously to agree the 2000, 2005, 2010 and 2017 National Pipeline Valuation schemes.
- Applies to England and Wales – Scotland VO has “listened in” and likely to follow England and Wales.
- Shell Real Estate, Gerald Eve and UKOPA
- “By encouraging participation and promoting the benefits of transparency in information exchange, the VOA has been endeavouring to achieve more accurate and reliable values, which will be beneficial to ratepayers as well as the agency.”

2021 Revaluation

- Based on 2019 construction costs data
- Previous revaluation was April 2017 thus review changes from 2015 (4 years)
- No meaningful evidence provided by Industry – normally project evidence
 - Limited data
 - Construction projects – generally short lengths
- Adopted construction and commodity Indices

Total Construction Cost of New Pipelines



- Basic Pipe Costs
- Protective Coating Costs (internal and external)
- Cathodic Protection Costs
- Basic Construction Pipe Build Costs
- Special build costs
- Cost of Road, River and Railway crossings
- Land / Easement costs
- Legal costs
- Design & contract costs
- Pig trap connection costs and Block Valve costs

2021 Agreed Changes

- Line pipe - +15%
- Coatings and CP - +15%
- Lands – No change
- Design and Administration – No change (% on cost)
- Easements – No change
- Multitrack allowances – No change
- Crossings - +15%
- Pipeline length allowance – No change
- Construction - +15%
- Age allowance - No change

Age Allowance

- Reduction due to the age of the asset
- 2021 revaluation considered additional maintenance due to AC interference and impact by changes in electrical infrastructure
 - Statement agreed - “Potential impact on cathodic protection due to the near-by presence of electrical infrastructure is noted and will be considered on a case by case basis, and as any evidence presents itself.”

2021 Approval

- The scales will be used as basis for 2021 rating revaluation assessments / rateable values
- Operators have right to challenge
 - Economics
 - Usage (pipeline throughputs)
 - Special cases
- No information on UBR or Transition
- UKOPA accepted the Memorandum of Agreement

2023 Revaluation

- Additional 2 years “inflation” to be added to the 2021 cost Agreement
- Industry recommended zero due to COVID
- VOA provided evidence of changes in indices of 3%
- Evidence that this could be low in some areas and high in others. Overall “fair”
- COVID impact also accommodated in the pipeline Throughput allowance (reduced pipeline diameter)

2023 Rates Valuation

- Increases from 2017 agreement (headline 18%)
- Valuations based on 'April' 2021 indexation data and thus operators will be able to use 2021 pipeline utilisation rates
- Unknown aspects
 - UBR
 - Transition
 - Decap rate
- Operators have right to challenge
 - Economics
 - Usage (pipeline throughputs)
 - Special cases

Recommendation

- Pipeline Rating Forum recommend acceptance
- Industry have no specific evidence to demonstrate the changes should be lower
- Increases on 2021 seem “fair”
- Valuations based on 2021 throughputs, thus note the COVID impact on operations
- Operator have rights to appeal
- Comments / acceptance from Membership?

Questions?

- Questions from the chat



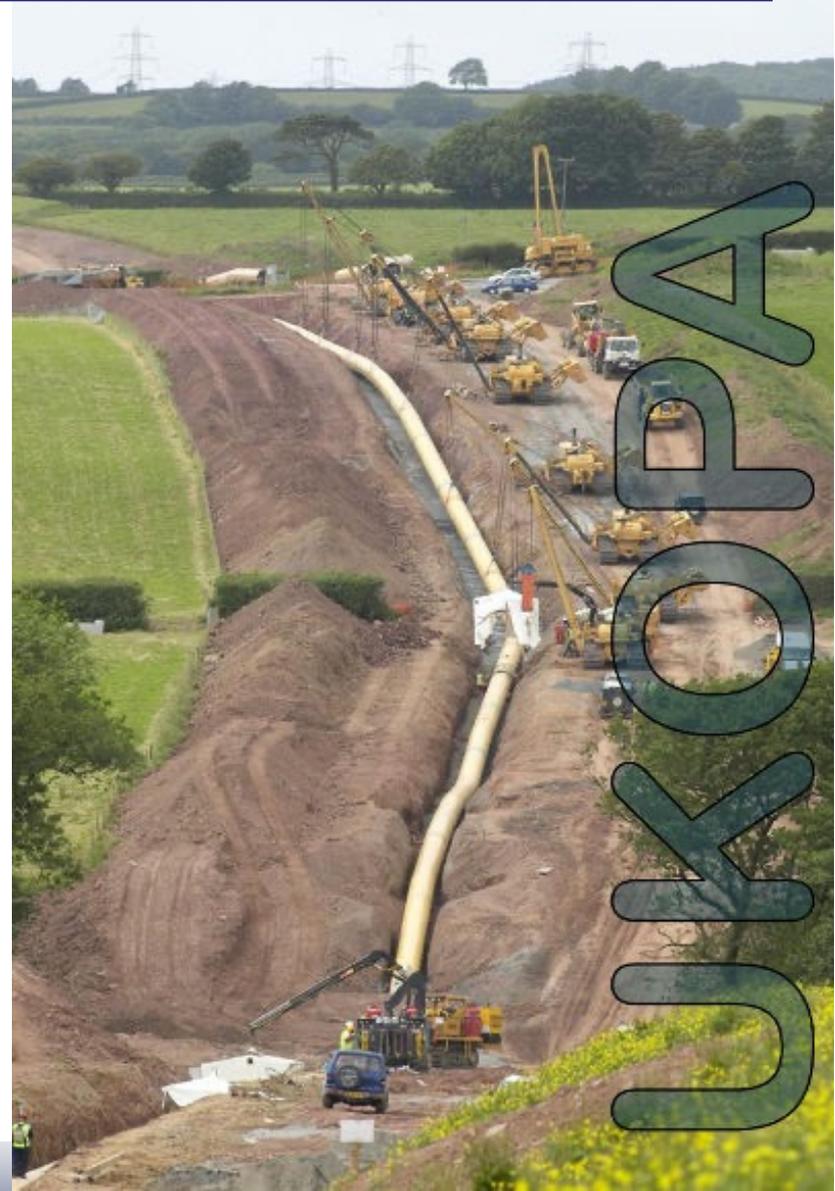
UKOPA

United Kingdom Onshore Pipeline Operators' Association

Chemicals and Downstream Oil Industries Forum CDOIF

Clive Zanker
February 2022

www.ukopa.co.uk



CDOIF aims

- Initiatives & best practice
- Lessons from incidents
- Process safety strategy across sectors
- Influence our stakeholders (including the Regulator)

CDOIF Members include

- Health & Safety Executive (HSE)
- Environment Agency (EA)
- UKPIA
- Unite the union
- Energy Institute
- Chemical Industries Association
- UKOPA
- UK LPG
- IChemE

Current Pipeline related topics

- Temporary Repairs
- Bund Wall Sealants
- Energy Transition (Hydrogen fuels)
- Prior Use Proof Testing
- Understanding COMAH Risk Assessment
- Occupational Health
- Climate Change Risk Assessment
- Sharing learning across industries – CDOIF applicability

CDOIF updates



PSF

Process Safety Forum
www.p-s-f.org.uk

PROCESS SAFETY FORUM

Questions?

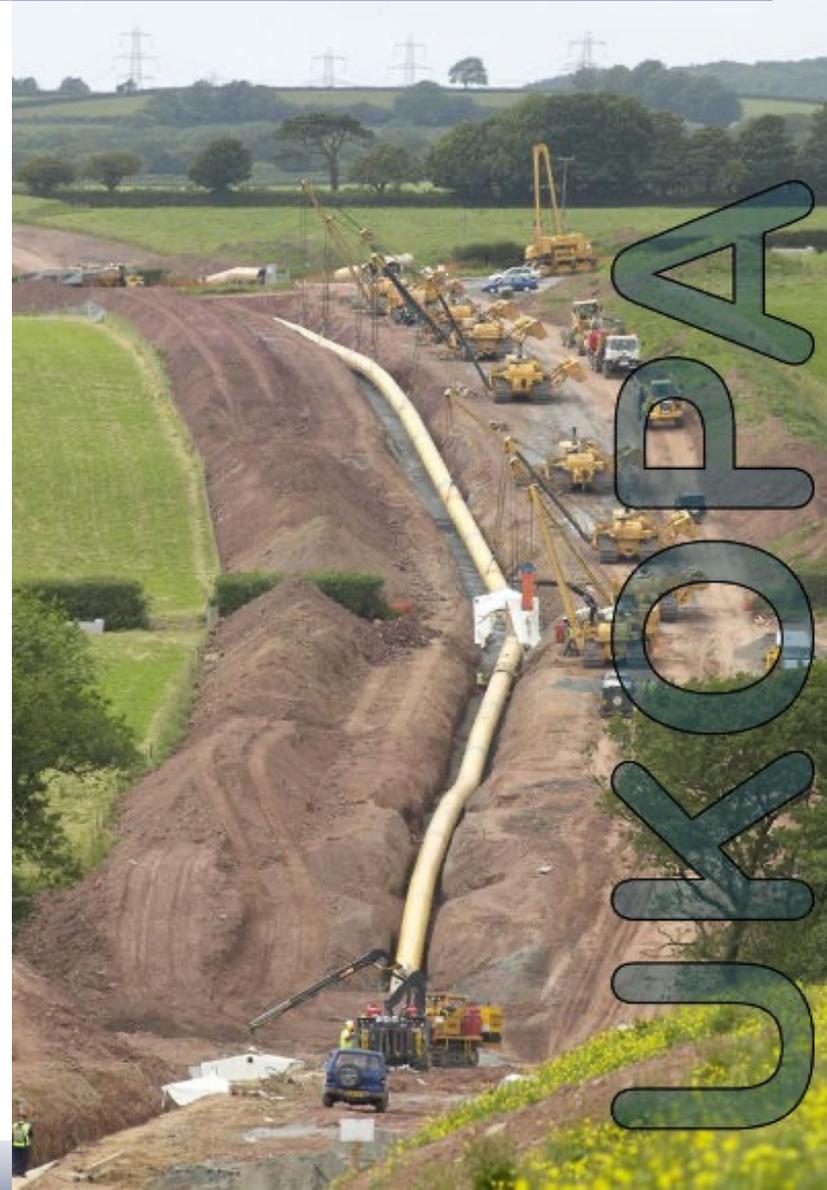
- Questions from the chat



UKOPA

United Kingdom Onshore Pipeline Operators' Association

Member Sharing



UKOPA

Dates for the diary and close

- Future events
 - 24/25th May 2022 Board and Technical Seminar
 - 11/12th Oct 2022 Board and Members Meeting
- Thanks from Grant Rogers