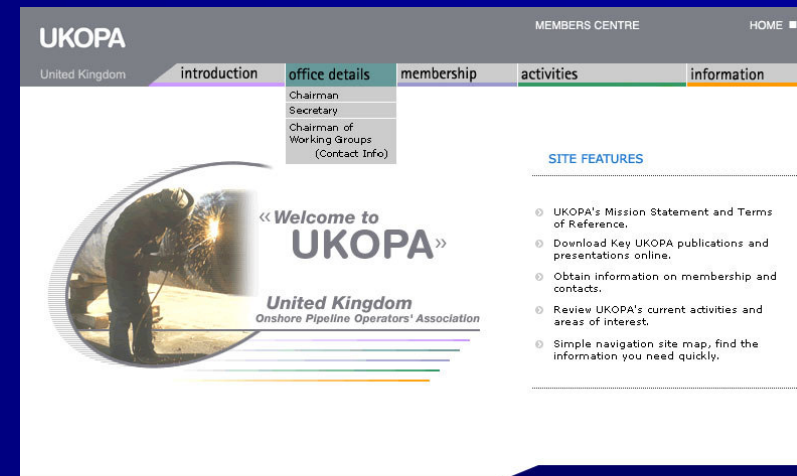


UK Onshore Pipeline Association

AN OVERVIEW

Roger Ellis
Pipeline Manager
Shell UK Stanlow



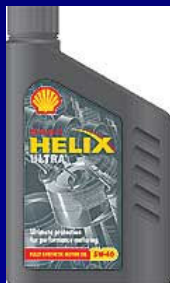
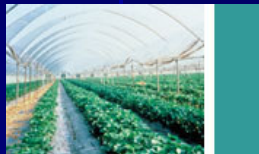
Roger Ellis

www.ukopa.co.uk

UK Onshore Pipeline Association

- Who am I, Roger Ellis
- What is UKOPA and the history
- UKOPA strategy and current activities
- UKOPA working groups
- DVD & Questions

North Sea Oil and Gas to Products



Roger Ellis

WHAT IS UKOPA?

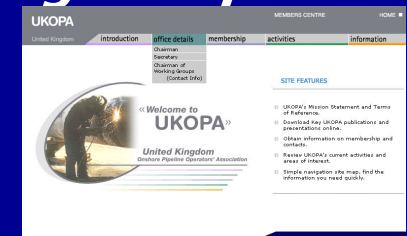
- ❑ An independent, recognised forum representing the views and interests of UK pipeline operators.
- ❑ Non-profit making, funded by membership fees.

Roger Ellis

BACKGROUND

- ❑ **Formed by Transco in 1996**
- ❑ Became a financially independent as a non-profit making organisation funded by membership fees in 1999.
- ❑ **Now comprises:**
 - *Management Council*
 - *Secretariat*
 - *Membership – Full, Associate, Working Groups*
- ❑ **Shares information through a website:**
www.ukopa.co.uk

Roger Ellis



Chairman

Management Council



UKOPA Committee



Technical Consultants



STRATEGY

Safe Operation of Pipelines

Management of Risks Associated with pipelines

Sharing of experience and promoting best practice

Single Industry Body and influencing statutory legislation

Codification of best practice

Roger Ellis



UKOPA Working Groups

- 1. Fault Data Management**
- 2. Risk Assessment**
- 3. Emergency Planning**
- 4. Process safety**
- 5. Infringement**

Fault Data Management Group :

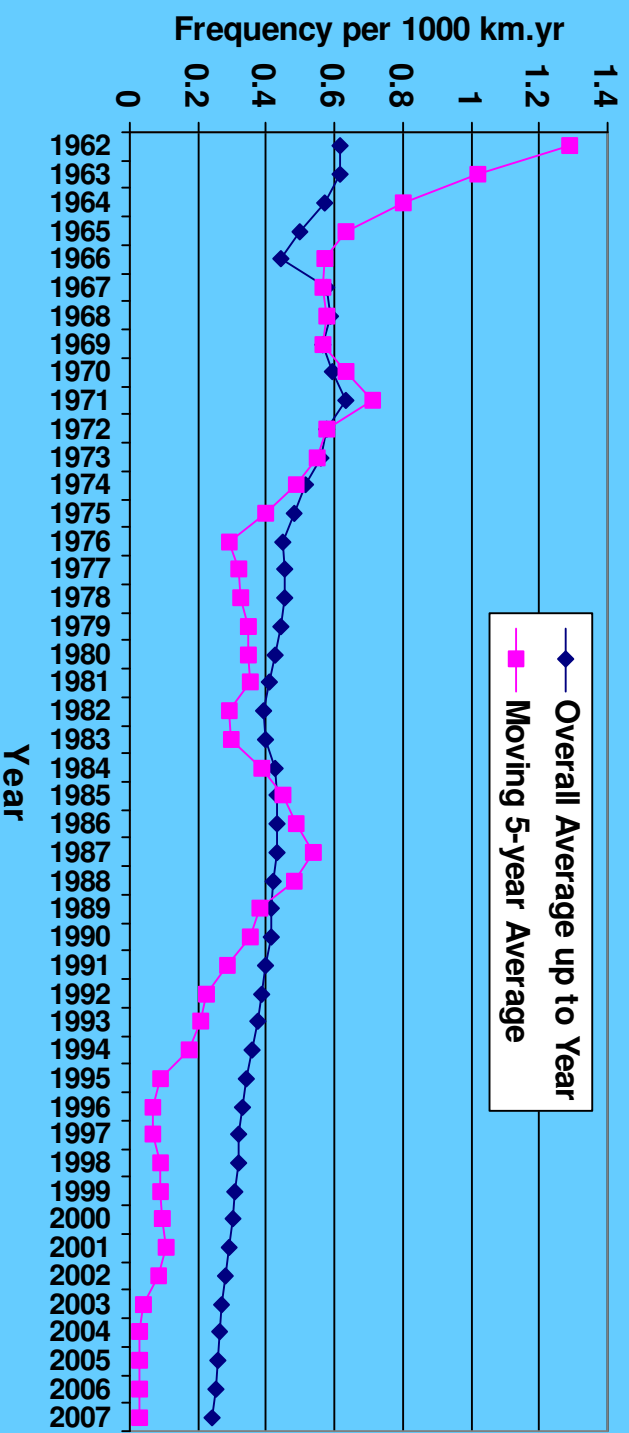
Aim: Report UK pipeline failure and fault data to determine pipeline failure probabilities

Objectives: To collect pipelines faults and failures and report periodically

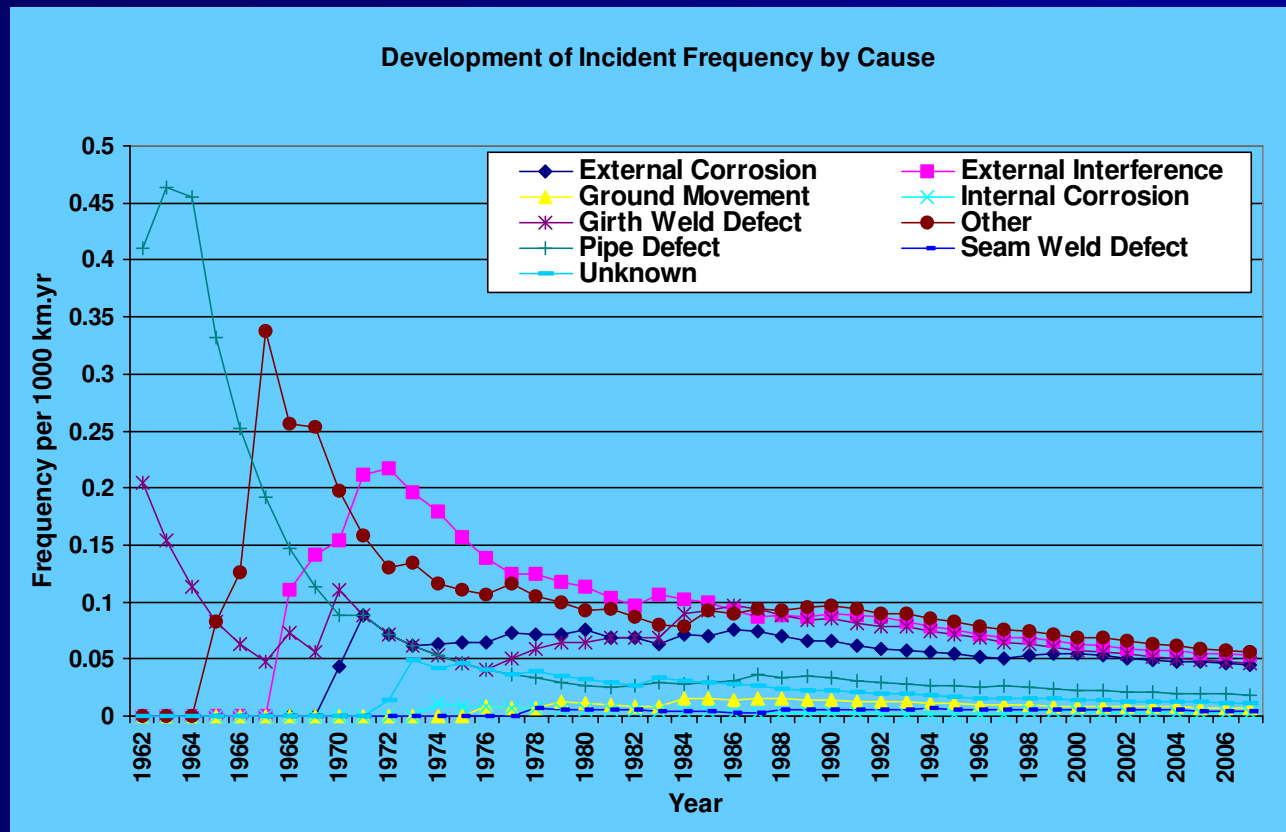


Fault Data Management Group :

Development of Overall Incident Frequency



Fault Data Management Group :



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Risk Assessment Working Group

Aim: Pipeline risk assessment issues for use in land use planning
Developments in the vicinity of existing pipelines

Objectives: Risk-based assessment methodology
and advice



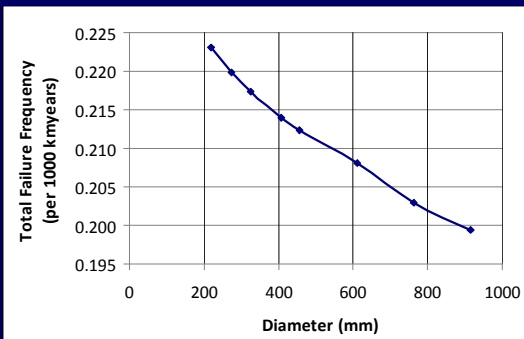
Roger Elli

Risk Assessment Working Group

Code of practice for pipelines – Part 3: Steel pipelines on land –
Guide to the application of pipeline risk assessment to proposed
developments in the vicinity of major hazard pipelines containing flammables
– Supplement to PD 8010-1:2004.

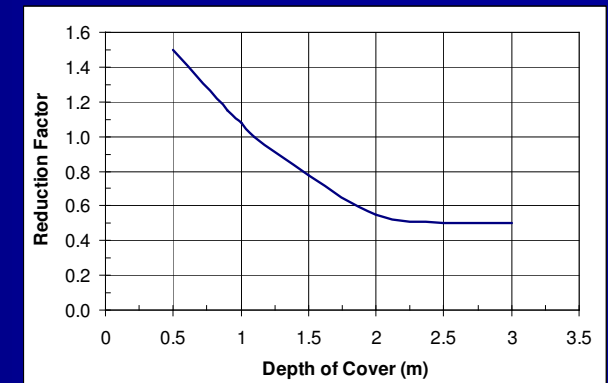
Application of Pipeline Risk Assessment to Proposed Developments in the Vicinity of
Major Hazard Pipelines

Supplement to IGE/TD/1 Edition 4:2001 – High Pressure Gas Pipelines



Mitigation	Reduction Factor
Concrete Slab	0.16
Slab plus visible warning	0.05

Roger Ellis



Emergency Planning Work Group

Aim: Info and advice on pipeline emergency planning and response

Objectives:

- ER framework:**
- Publication of guidance ACoP**
- PERO role & competency**
- Amendments to PSR 96:
- Inclusion of gasoline
- Testing and charging for Emergency Plans
- Environmental response

Roger Ellis



Process Safety Working Group

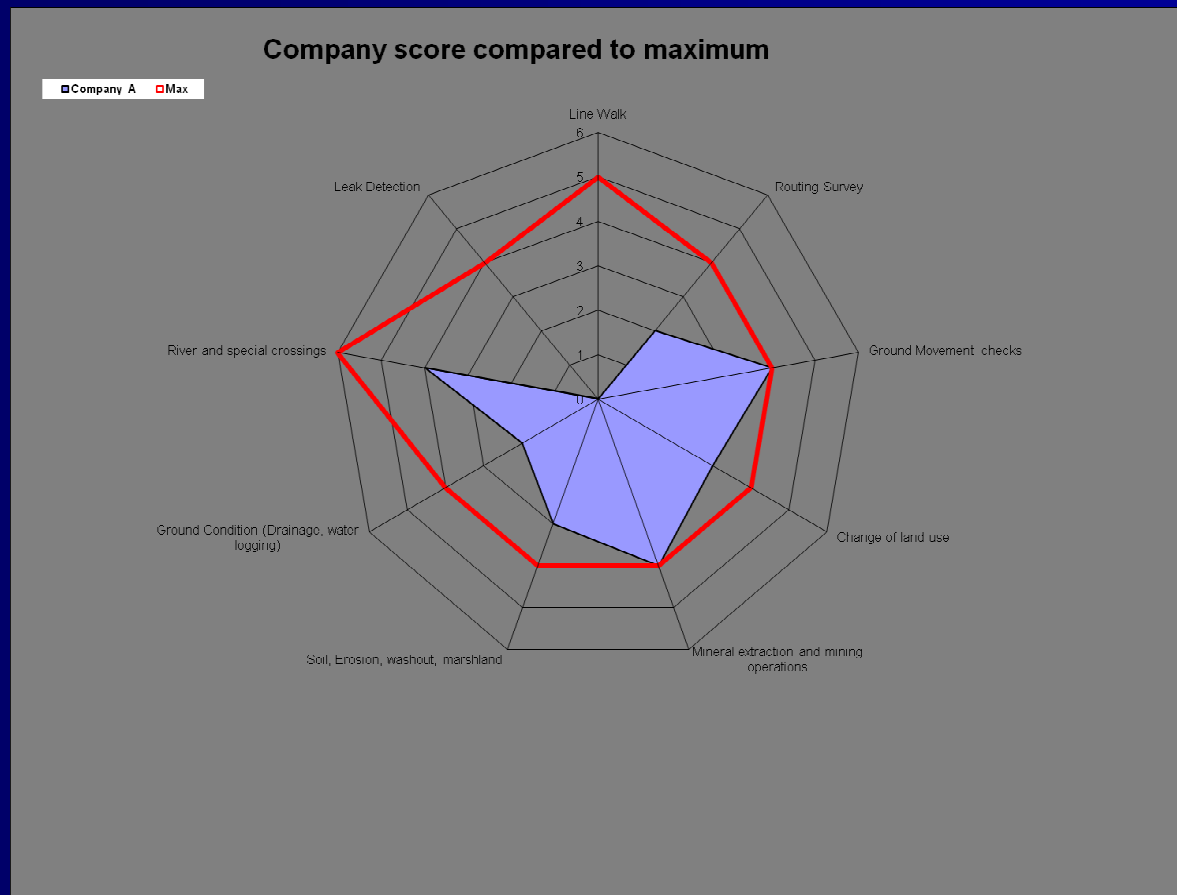
Aim: Information, advice and guidance on the process safety aspects of pipelines

Objectives: To develop process safety KPIs for pipelines and develop guidance to pipeline operators.
To contribute to the process safety leadership initiatives of the HSE

Roger Ellis



Process Safety Working Group



Roger Ellis

Infringement Working Group

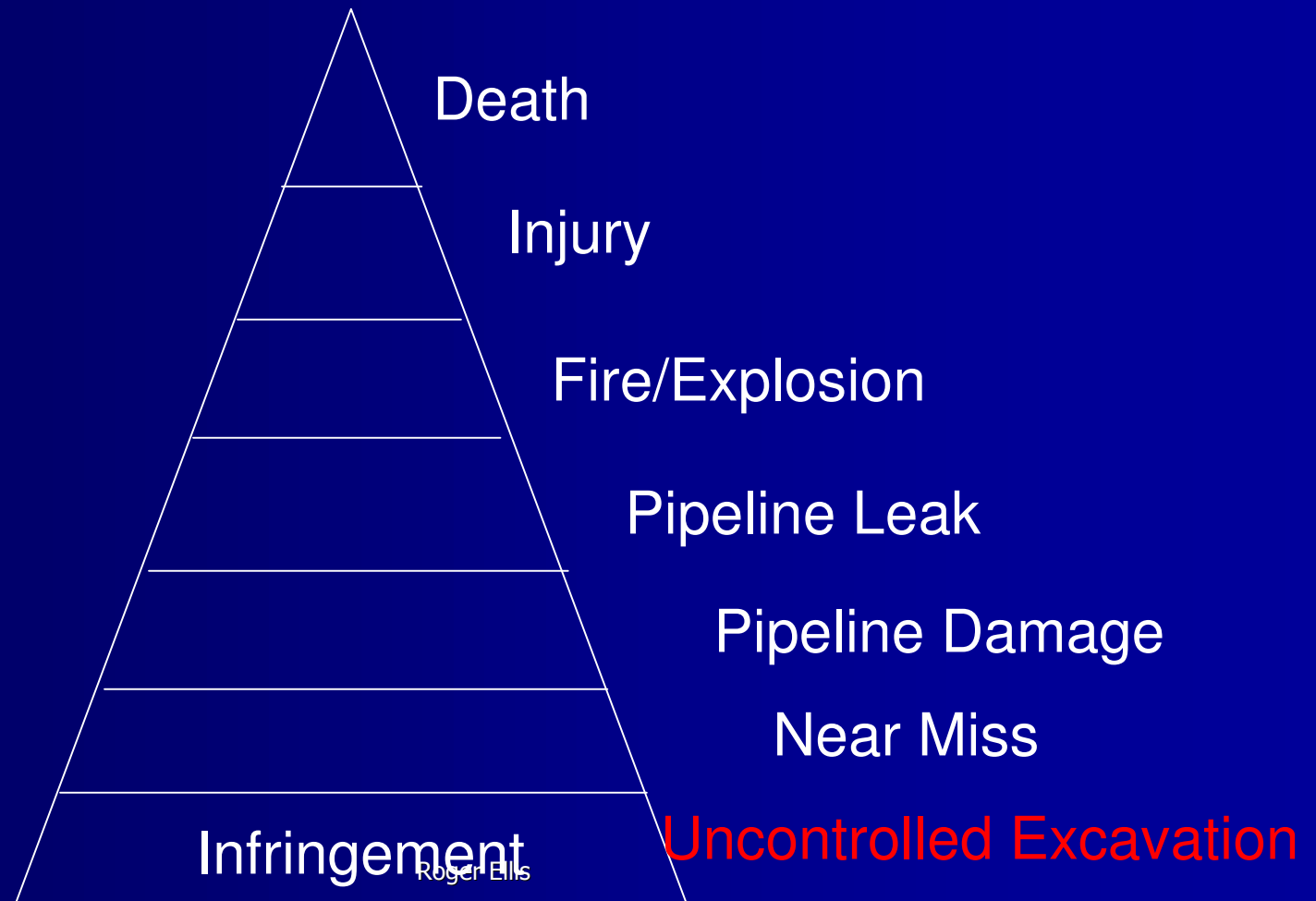
Aim: To reduce the risks of damage to pipelines by excavation or other external causes.

Objectives: Categorisation and publication of pipeline infringements.
Development or awareness of the risks and dangers of working in proximity to hazardous pipelines

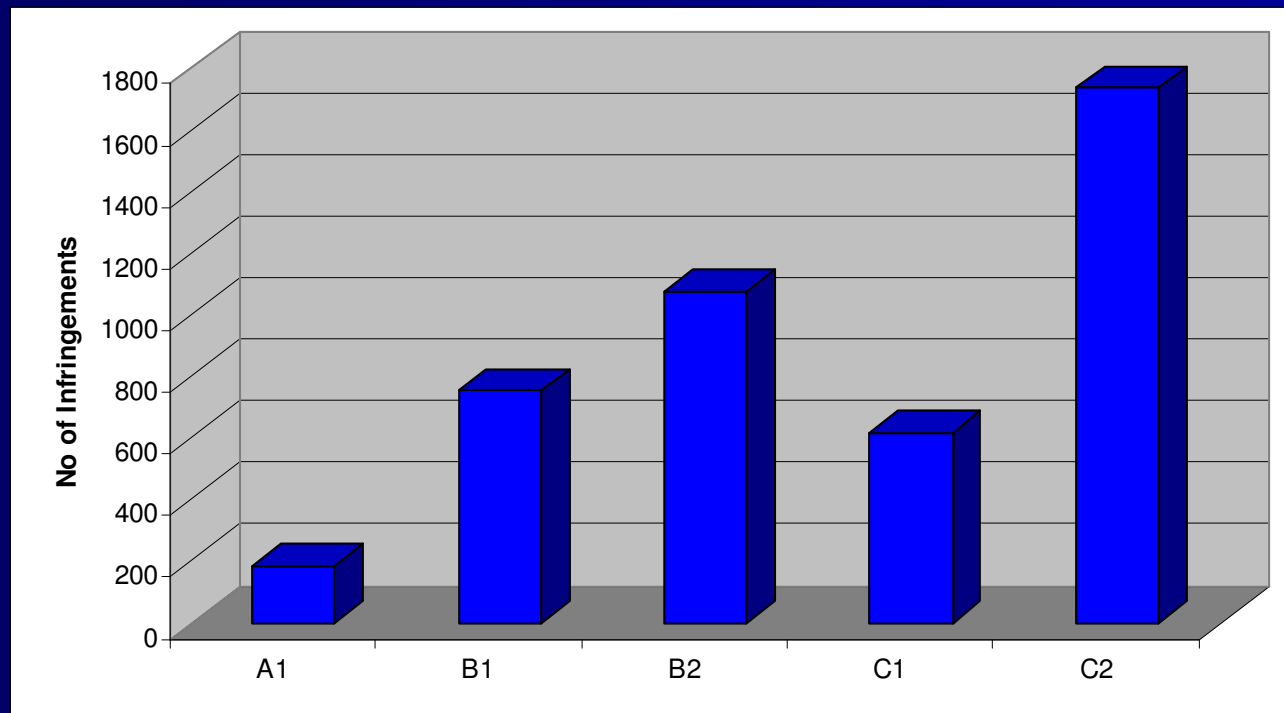


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Infringement Working Group



Infringement Working Group



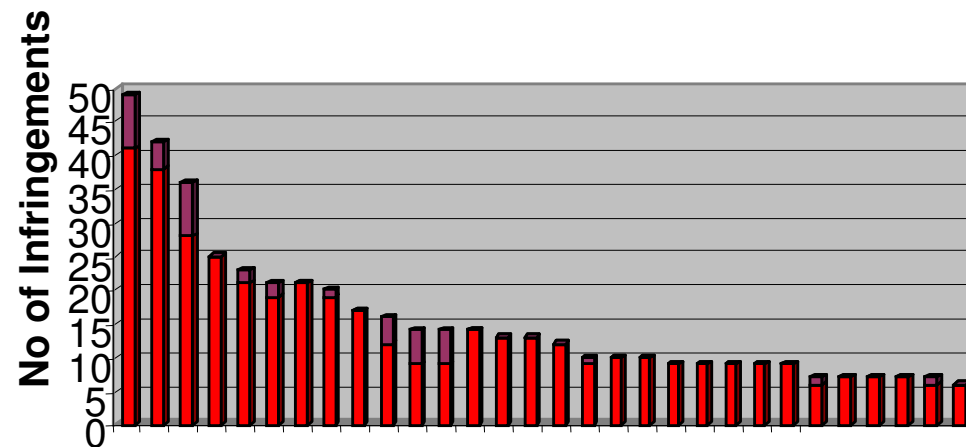
A1 = actual pipe damage
B1/2 serious threat to pipe damage
C1/2 limited threat to pipe damage

4500 infringements

Roger Ellis

Infringement by Company

Worst 20 Jan 2006



Also available by: Activity,
Third party type,
Location

4500
infringements

Using the information to reduce risks

- ☐ Target specific risk areas
- ☐ Work with Operators, Companies excavating and the Statutory regulator.
- ☐ Identify any weaknesses in controls, e.g. planning, subcontractors
- ☐ Consistent and Focussed discussions on a joint industry basis.
- ☐ Share and publish data via UKOPA.

DVD on pipeline safety

QUESTIONS

Roger Ellis