

UKOPA Meeting

20th October 2011

Peter Rycroft

HM Inspector of Health and Safety – Pipeline Specialist

Management of Creeping Development in the vicinity of Pipelines

What is Creeping Development?

Changes to pipeline environment since Design/Construction i.e.

- **Buildings within proximity distances**
- **Developments which change Population Densities (usually R to S areas)**

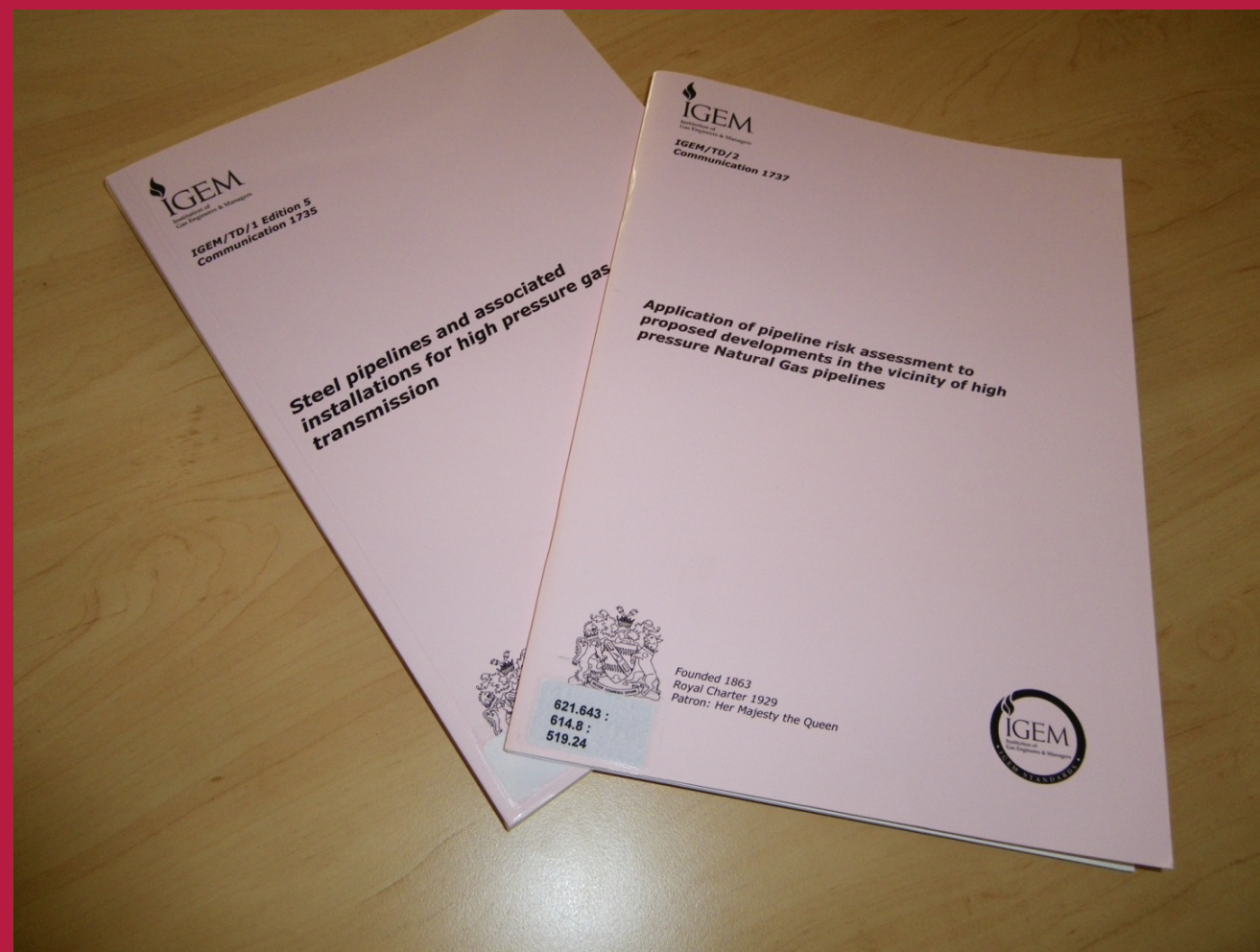


How does Creeping Development occur?

- **Historical/Pre PADHI development**
- **Planning Authorities not applying PADHI System**
- **Planning Authorities ignoring PADHI Advice**
- **Numerous single developments accepted through PADHI system**
- **Even Errors at Design/Construction phase**



IGE TD1



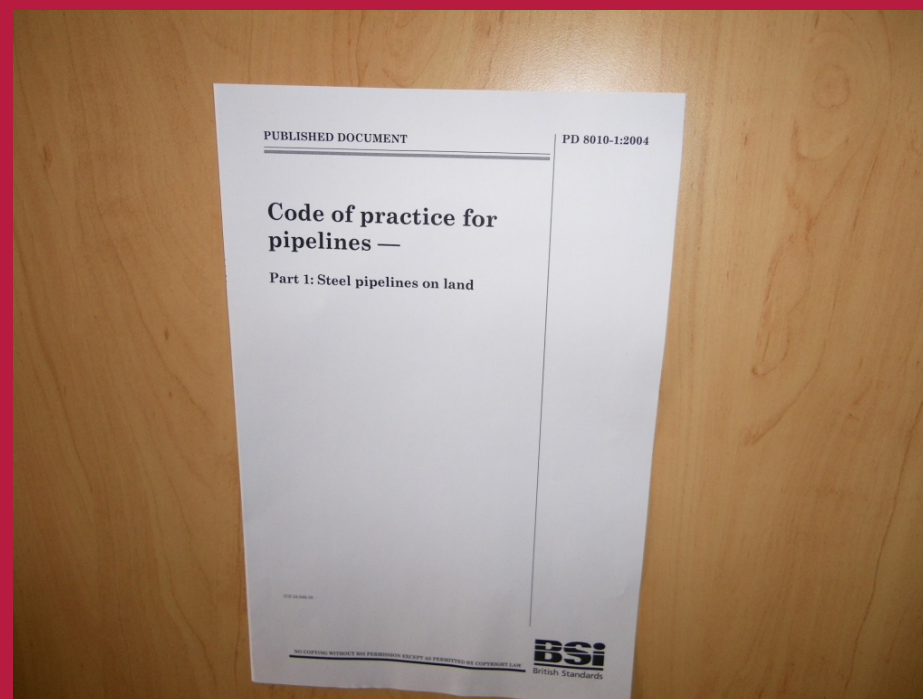
IGEM/TD1 Section 12.4.2

MAOP re-affirmation - ... requires a formal assessment of the integrity of the pipeline....and an assessment of the risks posed, on the surrounding population

Section 12.4.2.1

...at periods not exceeding 4 years

BS 8010



The design and location of a pipeline should take account of the hazard potential, the proximity of a pipeline to normally occupied buildings, the density of population areas....., and the likely causes of failure

Safety Evaluation

Where a safety evaluation is required it should be carried out in accordance with Annex E

Also makes reference to the Pipeline Safety Regulations 1996

Safety evaluations in the form of risk assessments should be carried out to demonstrate whether the pipeline is designed, constructed and operated in accordance with the safety recommendations in this part of PD 8010

Risk Assessments

8010 Annexe E



8010 not specific on time intervals but the 4 years maximum stipulated in TD1 would appear to have been ‘Reasonably Practicable’ and a demonstration of ‘Good Practice’

Pipeline Safety Regulations 1996



Reg 23 – Major Accident Prevention Document

To demonstrate that:-

All hazards with the potential to cause a major accident have been identified

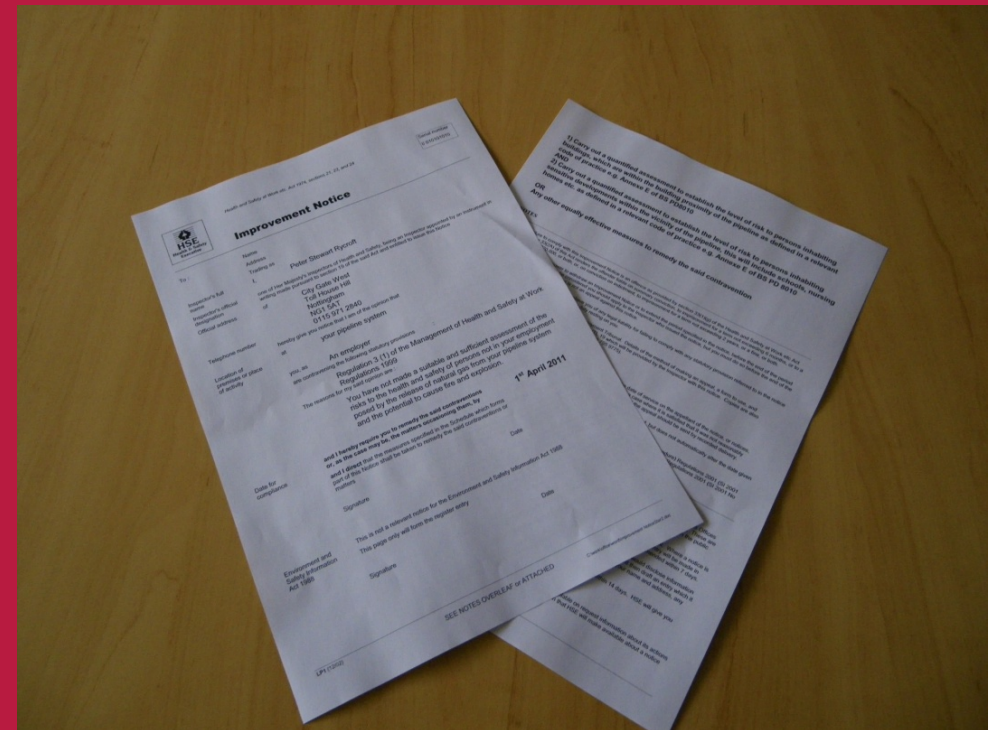
The risks arising from those hazards have been evaluated

The safety management system is adequate

HSE activity



Improvement Notices
recently served on an
Operator to carry out a
'suitable and sufficient'
risk assessment in
relation risks posed to
persons in the
proximity of a pipeline



**Section 3(1) of HSWA 1974 and
Management of H&S at Work Regs. 1999 – Reg 3(1)**

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Any Questions?

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