



Health and Safety Executive

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Presentation to the UKOPA Meeting

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# Health and Safety Executive

## Field Operations Directorate (FOD)

Construction Activities (F10's),  
Utilities, Manufacturing etc

Domestic/Industrial gas usage

## Hazardous Industries Directorate (HID)

Chemicals, **Specialised Industries** etc  
includes the Gas and Pipelines Unit



# Field Operations Directorate FOD

## Construction Safety

Excavation Standards

Confined Spaces

HAVS

Workplace Transport

CDM

Slips, Trips, Falls



# HID Specialised Industries - Gas and Pipelines Unit

Policy and Operations Teams

Lead Unit for Transco

Gas Safety (Management) Regs

Gas COMAH sites - Terminals & Storage

Pipeline Operations

Onshore and Offshore

Pipeline Safety Regulations



# Specialised Industries - Gas and Pipelines Unit

Has Inspectors Based in:-

Aberdeen

Scotland

Sheffield

North Midlands, North of England

Norwich

Southern England, Wales



# Specialised Industries

## Gas and Pipelines Unit

At each location there is a team of  
Regulatory Inspectors and  
Pipeline Specialist Inspectors



# Pipeline Operator Inspections Annual Reviews



Main Purpose for the Inspection of Pipeline Operators is :-

to ensure Compliance  
with Health and Safety  
Law

to ensure that Pipelines  
remain Fit for Purpose”



# Main Legislation

- Pipeline Safety Regulations 1996
- Health and Safety at Work etc Act 1974
- Gas Supply (Management) Regulations 1996
- Management of Health and Safety at Work Regulations 1999



Inspections can often be based  
around

“Pipeline Integrity Reports”

Or

“TD 1 Reports / Declaration of  
MAOP”



# Annual Review / Inspections

## Generic Agendas

Onshore operator

Transco

Offshore operator



## **Major Accident Hazard Pipelines (Onshore)- Annual Review**

### **Agenda**

#### **Operator**

#### **Policy**

#### **Organisation**

#### **- Pipeline Integrity**

Integrity Assessments  
On-line Inspection  
Third Party Damage – Routine Patrols etc.  
Cathodic Protection - Close Interval Potential Surveys  
Corrosion – Internal, External, Under Insulation, AC

#### **Major Accident Prevention Document**

MAPD issues  
Emergency Exercises

#### **Installation Maintenance**

Safety Devices etc  
Over Pressure Protection

#### **Construction Projects**

General – Modifications etc  
Design Issues

#### **Upgrading Projects/ MOP Raising**

#### **Updating of Records**

#### **HSE Interventions**

#### **Transco Cooperation (GSMR)**

#### **Incidents and Accidents**

#### **Any Other Business**

#### **Date of Next Meeting**



# Operatorship - 1

## ‘Operator’ or ‘operator’

Operator – ‘controlling mind’

‘main budget holder’

‘main duty holder’

operator - ‘flow controller’

‘control centre operations’

‘valve operations’

‘routine maintenance’



# Operatorship - 2

Is pipeline operation the operator's top priority?

e.g. Power Station Supply  
Pipelines



**Policy –**  
Clarity, Brevity

**Organisation –**

Provide organogram  
Demonstrate adequacy



# Pipeline Failure Mechanisms

Third Party/Mechanical damage

Corrosion – Internal or External

Over-Pressurisation



# Pipeline Integrity

Integrity Assessments

On-line Inspection Reports

Third Party Damage Mitigation

Cathodic Protection – CIPS, Monitor,  
Competent Contractor

Corrosion – Internal, External, Under  
Insulation, AC



# Pipeline Installation Maintenance\_

Safety Devices etc.

Pressure/Surge Control

Over Pressure Protection

- Ownership

Valve, Pig Trap Maintenance



# Major Accident Prevention Document

MAPD - issues arising

Last update

‘Reference Document’

Emergency Exercises

Independent Audits and Results



# Construction Projects

General or Modifications

Design Issues –

CDM

Early assessment of  
testing requirements

Competences

Upgrading Projects/ MOP Raising

Updating Records



# Operator Issues –

## Areas where HSE involvement could help!

Third Party Notifications –

Prevention of 3<sup>rd</sup> Party damage

Land Use Planning

Developments within  
Proximity

Internal Departmental wrangles

Provision of information/guidance

Contractor Performance



# Incidents and Accidents

An opportunity to discuss lessons learnt  
and actions taken to prevent re-  
occurrences

Any RIDDOR Reports?



# HSE Inspections

## Whistle Blowers, Complaints and any Union Concerns

Something generally turns up which  
deserves further investigation or some  
enforcement action.



# HSE Recent Interests

Hydro-testing

Safe Control of Operations

Isolation Methods

Duties to Co-operate under GSMR

Compliance with Safety Cases

Workplace Transport

CP Contractor Reports

On Line Inspection -Remedial works

AC Corrosion Assessment



# Human Factors - Legislation

Areas where HSE has concerns

## Competence and Supervision

Reg. 13 Management of H&S at Work

## Active Monitoring

Reg. 5 Management of H&S at Work



# Safety Management Systems

Duty holders and their Contractors are required to have adequate Safety Management Systems.

Such systems should reflect the POPMAR Principles detailed in HSG 65

e.g. Includes inspections and monitoring records of which may also be inspected



# Control of Sub-Contractors

**Duty Holder**

**Main Contractor**

**Sub-Contractor**

Just as Duty Holders cannot discharge their duties to contractors, Main Contractors in turn cannot pass on their duties to their 'Subbies'.

All parties will have Duties under  
Health and Safety Law



# HSE Inspections

Not something to necessarily be  
apprehensive about

You may obtain useful information  
from a fresh pair of eyes



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Any questions?

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**HSE**  
Health & Safety  
Executive