

How the HSE Works + Duty Holders' Responsibilities

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History - Inspectorates

- **Factory Inspectorate**
 - First Inspectors appointed by King William IV in 1833
- **Explosives Inspectorate**
 - First Inspector 1875
- **Nuclear Installations Inspectorate**
 - Post Windscale 1957
 - To HSE 1975
- **Railway Inspectorate**
 - From 1840
 - Within HSE from 1990 to April 2006
 - Ceased to exist in May 2009

History – Major Hazards

- FI Specialist Chemical Inspectors from 1960s
 - Major Hazards Branch
 - Risk Assessment Group
 - Major Industrial Hazards Advisory Committee
- Nypro UK, Flixborough 1974
 - killing 28 workers and injuring 36
 - injuring 53 members of the public
- Canvey Inquiry
 - HSE gave expert advice on Risks
 - Formation of Major Hazards Assessment Unit

HSE's Work

Health + Safety + Welfare

- Legislation
- Better regulation
- Science and research
- Statistics
- Field operations
- Hazardous installations - Permissioning
- Enforcement
- (Advice)
- (Guidance)

Health and Welfare

- Asbestos
 - COSHH
 - Stress
 - MSDs
 - Noise
 - Vibration
 - Occupational disease
 - Work equipment
 - REACH
- Facilities necessary for the well-being of employees (INDG293(rev1))
 - Washing facilities
 - Toilet facilities
 - Rest and changing facilities
 - Somewhere clean to eat and drink during breaks

Enforcement

- Enforcement policy statement
 - Enforcement Guide, England & Wales
 - Enforcement Guide, Scotland
- Following assessment of Safety Reports
- Inspection
- Investigation
- Complaints
- Notices
 - Improvement
 - Prohibition
- Prosecution

Permissioning

- Licences -v- Safety Cases
- Licensing
 - Resource Intensive
 - Regulator Ownership?
- Safety Cases
 - Sample Assessment
 - Sample Verification
 - Sample Inspection
 - Duty Holder Ownership?

Hazardous Installations Directorate

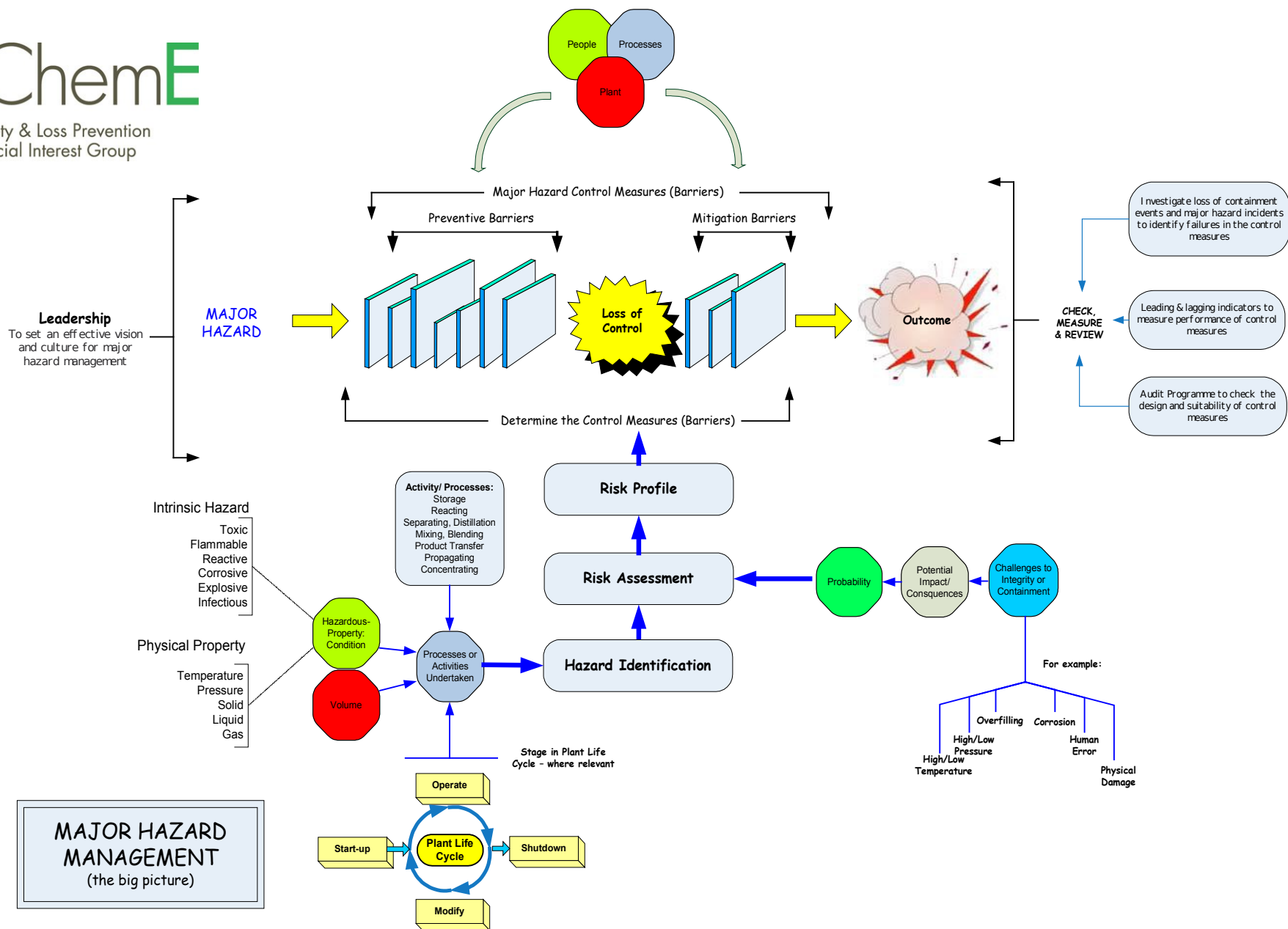
- Energy Division
 - Offshore oil and gas
 - Gas supply industry
 - Pipelines
 - Mining
- Chemicals, Explosives and Microbiological Hazards Division
 - Chemicals Industry
 - Explosives
 - Biosafety and microbiological containment

Prioritisation

- HID Site Prioritisation Methodology
 - Inherent Hazard
 - Duty Holder Performance
 - Performance Scores
 - Given to Duty Holder
 - *'Ultimately HID will publish industry wide performance scores'*
 - Other Intelligence
- Intervention Plans
 - How often to inspect
 - What to inspect

Inspection/Investigation

- According to Intervention Plan
 - Normally by appointment to ensure Duty Holder staff are available
- Accident/Dangerous Occurrence Investigation
 - RIDDOR 2013
 - Usually ASAP if fatality
 - After RIDDOR Notification
- Complaint Investigation
 - Usually unannounced



From: HID Regulatory Model, Safety Management in Major Hazard Industries <<http://intranet/hid/hid-regulatory-model.pdf>>
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COMAH (1)

The Control of Major Accident Hazards Regulations 1999 (as amended 2005 and 2014)

- Qualifying Quantities
 - Upper Tier - Lower Tier, with differing duties
 - Named and Generic Substances
 - Aggregation rules
 - 2% rule (with caveat)
- Notification
 - Pre-construction and Pre-operation
 - Material change
 - Closure (of installation or establishment)

COMAH (2)

- Safety Reports
 - Pre-construction and Pre-operation
 - Material change
 - new facts or to take account of new technical knowledge about safety matters
 - a change to the safety management system which could have significant repercussions with respect to the prevention of major accidents or the limitation of consequences of major accidents to persons and the environment
 - 5 Year update

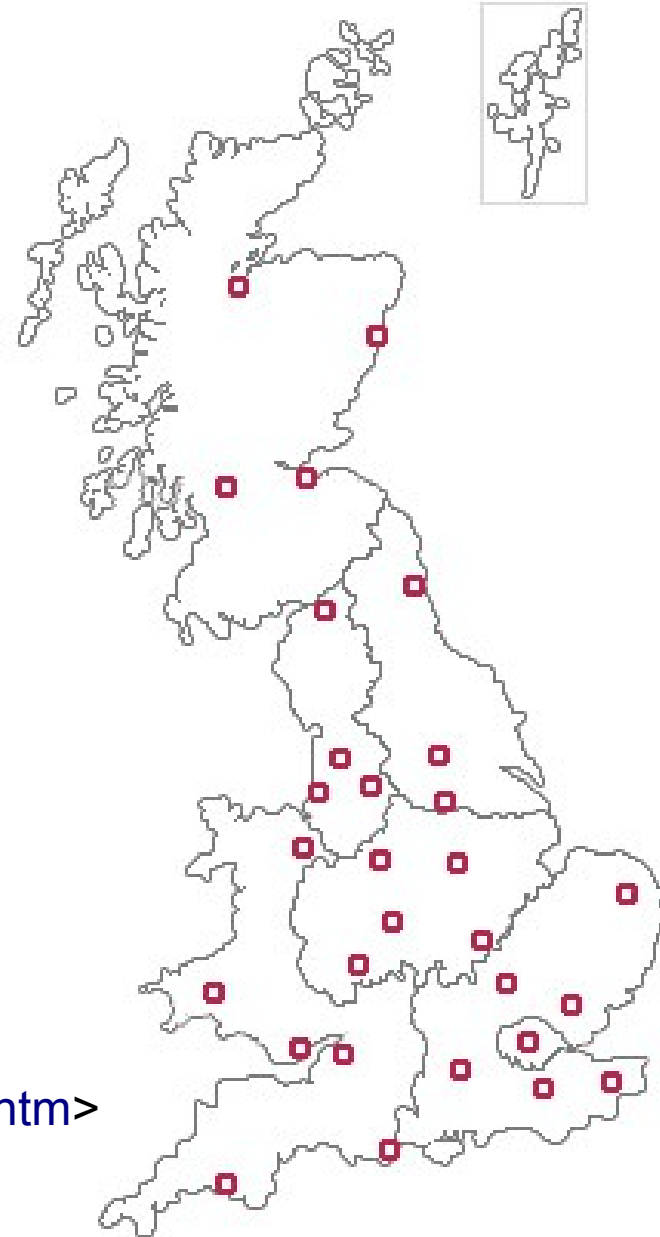
Land Use Planning

- Public Safety Advice
- Hazardous Substance Consents (HSC)
 - Qualify quantities similar to COMAH + 'loss of control substances'
- Pre-application advice (HSE + LPA)
- Planning Applications near HSC sites
 - PADHI+ Methodology
- Nationally Significant Infrastructure Projects
 - Energy
 - Transport
 - Water
 - Waste Water and Waste

Locations

- HSE local offices
- HQ
 - London
 - Bootle
- Specialist Groups

[<http://www.hse.gov.uk/contact/maps/index.htm>](http://www.hse.gov.uk/contact/maps/index.htm)



References

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<<http://www.historyofosh.org.uk/>>
- The HID Regulatory Model
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- HID Principles for Prioritising Major Hazard Inspections
<<http://www.hse.gov.uk/hid/hid-principles-for-prioritising-major-hazard-inspections.pdf>>
- HSE Forms
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