Key Performance Indicators for Major Hazards

Ian Travers
Head of Chemical Industries Strategy Unit
Hazardous Installations Directorate

James Reason’s Barrier Model
Bow Tie Barriers

- Preventive Barriers
- Mitigation Barriers

MAJOR HAZARD → Loss of Control → Outcome

People → Processes → Plant

Major Hazard Control Measures (Barriers)

Preventive Barriers → Mitigation Barriers

MAJOR HAZARD → Loss of Control → Outcome
Hazard Analysis and Risk Assessment

Leadership and Measurement