Break-Out Session 3
The Role of SPIs in Safety Performance

Group 2

*Please save under a different name, e.g. “Break-out Session 2_Group 2_Presentation”*
Industries you chose to evaluate:

1. LPG Storage and Distribution
2. Large Scale chemical manufacturing (multinational, multisite)
3. Hazardous chemicals end-user
LPG Storage

- Typically few staff, third party distributors
- SPI’s storage – focus on asset integrity
- SPI’s distribution – focus on people and procedures
- An opportunity for trade association to define SPI’s.
- Limited number of indicators
- Number of loading/unloading activities is key risk factor
- Water based LPG filling/unloading normally UT
How should SPI’s look for……..

Large Scale chemical manufacturing (multi-national, multi-site)

• Typically focus on hardware SPI’s
• Multipurpose plants – management of change
• Revision of procedures and refresher training crucial
• People and procedures equally as important as equipment
• Expectation that they will use SPI’s
• Operators tend to choose SPI’s (corporate level- site can add to if they wish)
Hazardous chemicals end-user

- Use of SPI’s depends on how the particular sector has matured
- Waste industry – lack of awareness and education on major accidents
- “Garage” industries, mom and pop firms
- Food industry – do they realise the hazards of ammonia?
- Swimming pools – chlorine
- Focus SPI’s on people and procedures but not a priority, perhaps focus on SMS (even if not mandated)
2. What kind of insights do you think the SPI can provide for the inspection in a typical site in each industry?

• Start a dialogue

• Tells inspectors what they the operator believes is important

• Just as important is what KPI’s are not chosen – where are the blind spots

• Large chemical site requires more time to evaluate but no real difference across the industries
3. Typical strengths and weaknesses industry in 1) selection of SPIs and 2) implementation

- No real differences across industries in strengths and weaknesses
- Selection of SPI’s –
  - Strengths - group activity considering major accident hazards
  - Weaknesses – off the shelf and not tailored to major risks
- Implementation
  - Starts a conversation which may lead to action
  - Weaknesses – not refining indicators, not discarding redundant indicators, no action as a result of indicator