**MJV Workshop on using Safety Performance Indicators in Enforcement and Risk Management of Major Hazard Sites  
10-12 April 2018, Hernstein, Austria**

**Session 1. Experiences of inspectors with Safety Performance Indicators (SPIs)**

***Here the participants should discuss different experiences of participating inspectors for insights on advantages and disadvantages of safety performance indicators and examples of good and bad practices.***

***Instructions:***

***1) Groups should cover at least 3 questions. Question 1 and 2 are mandatory for all participants. Choose either question 3, 4 or 5 as your third question.***

* ***Please look at all the questions together and decide the group’s strategy for the session. You will not be able to answer all the questions so you must decide which questions the group will answer and in what order.***
* ***Rapporteurs/Presenters – Please label your sessions and presentations on the memory stick clearly (e.g., Group 1, Session 1)***

***Therefore, your main tasks are:***

***2) The group should agree on the main questions and the order that they will be discussed.***

***3) The group should choose a rapporteur at the beginning of the session. Rapporteurs should take good notes on a pc and these should be provided to the Chair at the end of the session.***

***Please spend no more than 5 minutes on choosing questions and selecting a rapporteur.***

***4) Discuss the questions and try to provide concrete answers to each. Specific details such as inspection methods, inspection questions, strengths and weaknesses, best and worst case criteria, using real cases from inspections, are all good ways to make your experience useful for other inspectors.***

***5) Before leaving each question, the group should spend 5 minutes brainstorming on inspection questions and tips for inspecting the issues identified by the group. The rapporteur should record all the questions on the memory stick.***

***6) The group should use the last 10 minutes to structure the plenary presentation and decide who will give the presentation.***

***You have 75 minutes. Watch your time and please stay on topic!***

**Topics for Session 1 – Experiences of inspectors with Safety Performance Indicators (SPIs)**

**Questions to be considered**

*Each question also has subquestions that are offered as options to help stimulate a concrete discussion.*

1. **If a site has SPIs, how frequently do you use them in your evaluation? Take a poll of the inspectors in your group**

|  |  |
| --- | --- |
| **Frequency** | **Number of inspectors in your group** |
| Always |  |
| Nearly always |  |
| Sometimes |  |
| Almost never |  |
| Never |  |

1. **What different approaches do inspectors in different countries and/or inspectorates take in taking account of Safety Performance Indicators in an inspection?**

*If a site does not have SPIs, would you recommend them?*

*If your use of SPIs, varies from site to site, list some site-specific issues that would make a difference in your approach?*

*If you do never, or almost never, use SPIs in your inspections, please explain why not?*

*If you have specific cases to illustrate your answers, please describe them.*

1. **In your opinion, what criteria should be used to evaluate the effectiveness of 1) individual performance measures and 2) the SPI programme as a whole?**

*Consider sites with “good” or “bad” practices that you have encountered. Please give examples from specific cases as possible.*

*What problems and successes have you encountered with selection of the measure, e.g., Is it reliable? Is it too narrow or too broad? Is it measuring what the site thinks it measures? etc.*

*What problems and successes have you encountered concerning the design of the programme, e.g., number of measures, relevance, coverage, objective vs. subjective measures, adaptability to change over time, etc.*

*What are good and bad practices in management and use of the SPIs, e.g., analysis of results, follow up action, communication, audit and review, update frequencies and triggers, etc.*

1. **What are advantages and disadvantages of SPIs as measures of process safety performance on major hazard sites?**

*You may wish to distinguish between issues associated with Site Risk Management and issues associated with Inspections specifically. (Many issues will apply to both.)*

*Consider ways that SPIs have been used effectively and less effectively on sites, and why.*

*Consider situations when SPIs have been useful to inspection and situations where they have not been helpful and why.*

*Do you think sites with SPIs generally show better safety performance? Explain why or why not and give some examples.*

***5. List some questions that you could ask during an inspection to help evaluate the reliability and effectiveness of the SPI programme.***