MJV Workshop on using Safety Performance Indicators (SPIs)
in Enforcement and Risk Management of Major Hazard Sites
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Experiences with SPIs in Italy

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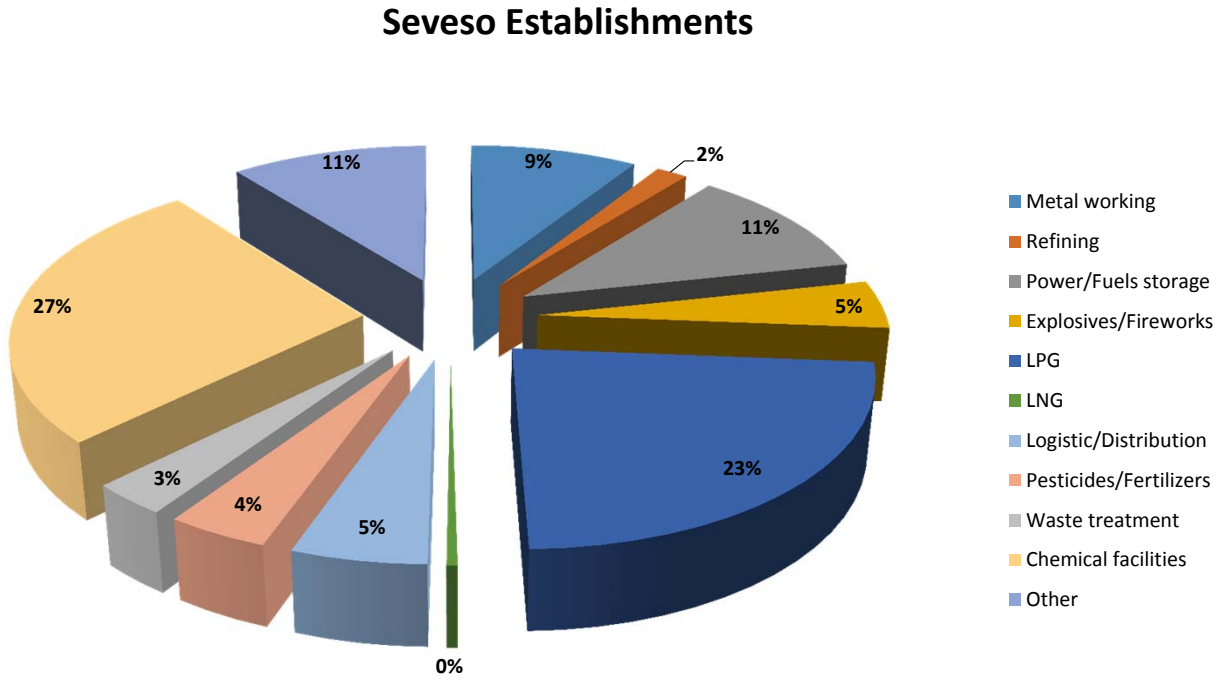
Italian inspection experience

- Italian authority (Ministry of Interior/ISPRA/Institute for safety at work) mandate the use of SPIs for Seveso establishments SMS inspections
  - "Performance evaluation" is a specific point (1 of 27) in the "Monitoring of performance" SMS item (1 of 8) which is considered in the audit check-list

- In the SMS inspections, among others, a detailed examination of the check-list is carried out. The results are:
  - Evidences: outcome of the specific checks
  - Findings: identification of facts found during the outcome supported by objective bodies of evidence
  - Non compliances: minor (formal aspects not adequately met) or major (substantial non-compliance with legal requirements, national standards or corporate standards)

The Italian situation: 945 Seveso sites



The SMS inspection check-list: a deepening

- ***7. Monitoring of performance***
  - **i) Performance evaluation**
    - Verify that there is a procedure that defines the criteria for adoption, updating and use of objectively verifiable performance indicators concerning the safety of the establishment, in order to allocate the priorities and planning the interventions.
    - Verify that such performance indicators are clearly related to the ability to test the efficiency and effectiveness of the SMS adopted and are defined to ensure the comparison between the objectives to be achieved and the results obtained.
    - Verify that the systematic control of performance is done by the analysis of the above mentioned indicators, properly recorded and documented, the operating experience, outcomes of tests and inspections performed in the establishment, outcomes of internal audits, etc.

Findings of SMS inspections: performance indicators

- Good practices
  - Substantial balance between strengths and weaknesses, as far as concerns setting up and use of appropriate and effective performance indicators.
  - Significant use of performance indicators generally able to ensure effective measurability of the various SMS elements and with a constant monitoring of their significance
- Bad practices
  - Indicators not tailored on the establishment, difficult to measure and unrepresentative where in some cases used
  - Poor consideration of the results of the analysis of operational experience

Evaluation of performance: conclusions

- Important to understand that the evaluation of performance is essential for the correct implementation of a SMS
  - The identification of realistic and measurable safety performance indicators (SPI), consistent with the MAPP of the operator, their constant evaluation and updating
  - Defining the most appropriate and representative SPI in order to ensure the direct comparison between the objectives to be achieved and the results obtained

Thanks for the attention!

- Any question…?

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