



SPI

The Norwegian Directorate
for Civil Protection

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The Norwegian Directorate for Civil Protection (DSB)

- Five Seveso authorities. DSB is the coordinating authority.
- Approximately 320 Seveso establishments in Norway.
- PSA have presented the RNNP, this applies to 8 of the Seveso establishments.
- 2013: Study to develop a methodology for periodic monitoring and evaluation of safety level. ([link](#))
- 2017: Internal review gives recommendation that DSB should develop and apply indicators to be able to monitor the safety level in the industry.

Inspection experience

- Does your authority mandate the use of process safety performance indicators for your Seveso establishments?
 - The Norwegian Seveso regulation has not specified in the requirements for monitoring, that the monitoring procedures should or could include safety performance indicators or other relevant indicators.
- If not, do you know if any of your sites have Safety Performance Indicators (SPI)? *If so, in your estimation, how many (approx%) use some kind of SPI (even if in your opinion some may not be complete or of good quality)?*
 - There has been performed a survey in 2016, where 115 Seveso establishment were asked about their use of SPI. Response rate of 50 %.
 - 70 % use SPI, 15 % reply uncertain, 13 % no, 2 % not relevant.
- Do you consider SPIs in the inspection if they have them?
 - SPIs has not been specific considered so far. Monitoring of non-compliance has however been a subject for inspections. The companies have during the audits shown different types of indicators, eg: near misses, spills, failure of safety equipment, etc.
- If yes, how do you consider them, e.g., for dialogue, as evidence (evidence of what?), etc

What sites should use SPIs?

- Do you think SPIs are useful for sites? (Why or why not)
 - Yes, and the survey shows that most of the larger establishments use them, even if it is not mandatory.
- Are they useful for the Seveso inspection? (Why or why not)
 - Yes, if the SPIs are good and relevant, it is an easy way to get to know and get an impression of the company.
- In your opinion are there sites which are not currently using SPIs which could benefit from their use?
 - Probably. But we don't have the whole picture of who is using them and not.

Good and bad practices

From your observations on sites using SPIs:

Based on the answers from the survey:

- Give an example of a good practice:
 - Use of both lagging and leading relevant indicators as: near misses, lost time incidents, maintenance backlog, number of personnel with completed safety training, etc.
- Give an example of a bad practice
 - The survey showed that several companies (mainly not Seveso establishments) did not see the difference between SPIs and ordinary safety measures such as overfill protection, safety alarms, gas detections, risk analysis, etc.