

MJV Workshop- Austria Safety Performance Indicators

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Legislative Requirements

- Seveso 3 Directive transposed into National Regulations
- SI No. 209 of 2015
- Reg.10 – Major Accident Prevention Policy
- Paragraph vi – Monitoring performance- adoption and implementation of procedures for the ongoing assessment of compliance with the objectives set by the operator’s MAPP and safety management system, **The procedures shall also include performance indicators such as safety performance indicators (SPIs) and/or other relevant indicators;**

SPI's as part of Inspection Programme

- Prior to 2015 regs.
- Assessment Proforma –
Assessment of Safety Management System in Relation to Key Risk Control Systems – Process Safety Performance Indicators
- Completed in all Seveso establishments
- Series of questions
 - Policy
 - Planning and Implementing
 - Organising
 - Measuring Performance
 - Audit & Review

Quick example of Proforma

Policy	Supporting Evidence
1. Does the organisation have a policy document relating to Process Safety Performance Indicators (PSPIs)?	
1. Does the policy refer to the key risk control systems (RCSs) for prevention of major accidents?	
1. Is the purpose of the PSPIs clearly stated?	
1. Does the policy aim to link process safety performance with the remuneration/reward of senior managers ?	
1. Does the policy deal specifically with major hazard process safety?	
1. Is the business case for PSPI stated?	

SPI's as part of Inspection Programme

- Since 2015 Regs.
- Carry out a **Layer of Protection Risk Assessment (LOPA)** on an Identified major accident scenario
- Assess key barriers using **checklists**
- Questions on spi's included in all checklists

Quick example of Checklist

NEW Inspection Checklists 2017.ver1 - Microsoft Excel

Classification Scheme: CCPS Unit Work Program Date: 08/03/2017 Author: PatC Record Type: Plan (gh) Year: 2017 Scheduling End Date: Scheduling Start Date:

Location: C:\Users\angela_moriarty\Desktop\NEW Inspection Checklists 2017.v... Required field X

S15

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T			
1					Checklist for Safety Critical Equipment																		
2																							
3					Go to Cover																		
4					Team & Personnel	Has the frequency and content of the planned inspection been defined?	No														x-Not selected		
5				Were manufacturer's recommendations used for defining these frequencies and contents of the inspection?		No																x-Not selected	
6				For the piece of equipment is the execution of the inspection described?		No																	x-Not selected
7				Is specific training provided to ensure competence of those carrying out these inspections?		No																	
8				Are training records available?		No																	
9				Is responsibility for ensuring inspections are carried out on time clearly assigned?	No																		
10				Are there defined consequences if the schedule is not being adhered to?	No																		
11				Are the measurements/results etc. recorded for each inspection?	No																	x-Not selected	
12				Are there kpi's assigned to the Safety Critical Inspection regime?	No																	x-Not selected	
13				Is non-adherence to the schedule reported to senior management?	No																	x-Not selected	
14					Other	N/A																x-Not selected	
15						N/A																	x-Not selected

Blank Template Cover Dust EPD MOC HI SCE Procedures Maintenance Petroleum & HFL Stores Fertiliser (AN storage) Bunds ERP Overfill Human Factors Alarm Handling Chemical Warehouses Aerosol Storage SIF

Ready

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Are there kpi's assigned to the Safety Critical?

Is non-adherence to the schedule reported to senior management?

The Good and the Bad

- Lots of companies NO POLICY in relation to spi's
 - Over – Focus on lagging indicators
 - No involvement of employees on selection of spi's
 - Not based on Major Accident Hazards for the establishment
 - Corporate Selection of spi's
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- Use of Bow Tie Analysis to Select spi's
 - Use of LOPA assessment to select spi's
 - Ratio of 65% to 35% leading Vs lagging indicators
 - Bench mark against competitors
 - Regular review of spi's chosen

Thank you