

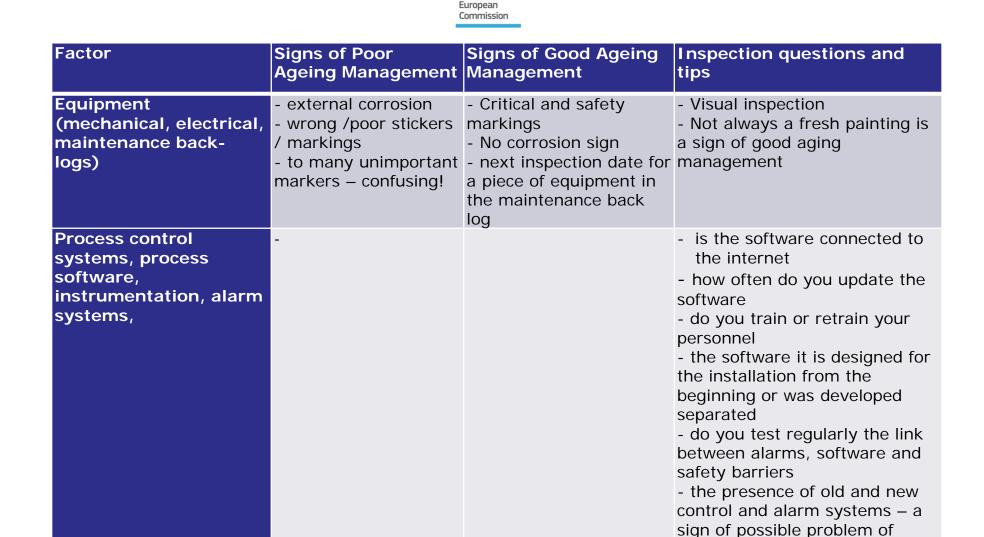
Break-Out Session 1

Recognising ageing sites and ageing site risk factors

Group 5



1. Discuss typical signs of an ageing site, and how these can be identified

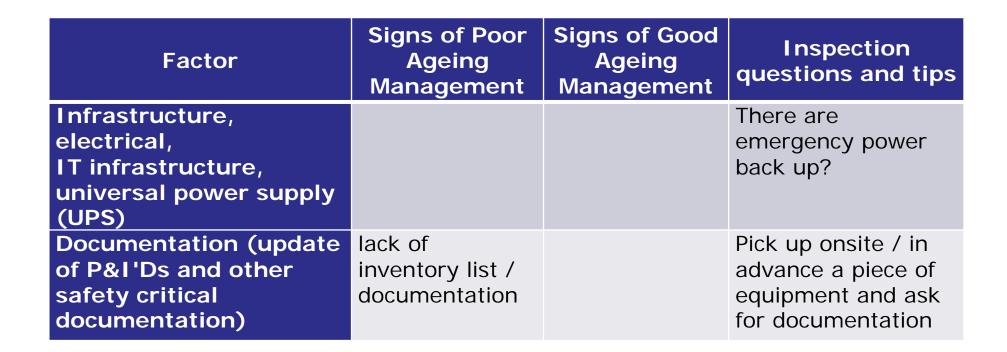




compatibility

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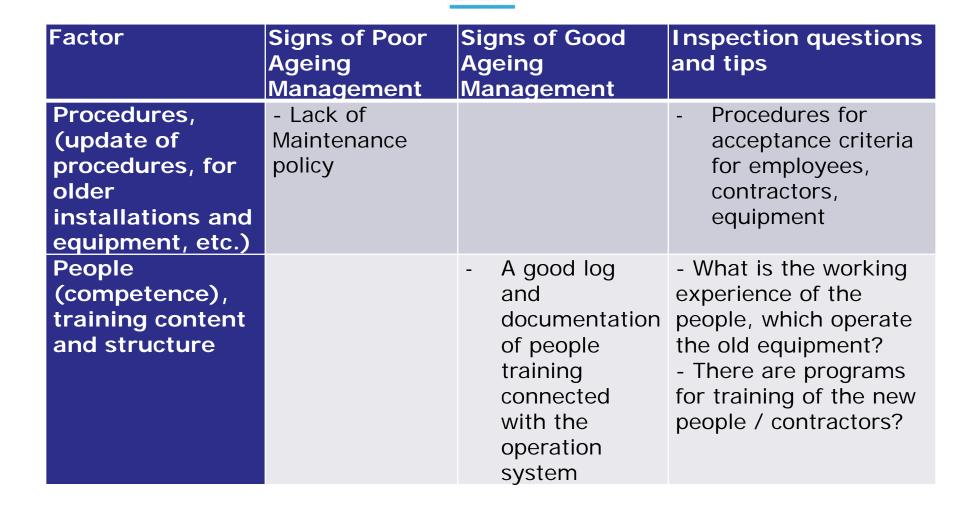
Commission





1. Discuss typical signs of an ageing site, and how these can be identified

Commission





2. Discuss factors that could make ageing occur at a faster pace than normal or undermine effective risk management of ageing

European Commission

Factor	Explain why and give examples	Inspection questions and tips
conditions without proper MOC	Changes of products within a tank – could lead to corrosion Change of the catalyst – cold lead to fatigues	 Records of substances contained in the tank Look at the original design, configuration and the substance of the tank
Weather conditions, environmental conditions	Extreme weather condition – cold / humidity / salinity /wind / hail / flooding	 Look for the design of the equipment regarding the weather condition
Temporary shutdown of the entire plant or units	Electricity plant is original designed to operate continue for couple of year and now is temporary shutdown every month	 No. / trend of temporary shutdown Are you aware of the impact of the shutdown on the all parts of the plant?



3. What skills does an inspector need (training and competency) to be able to review ageing plant issues?

- To be able to recognize the weakness of the systems
- Experience / courses in auditing process
- Inspection experience in the field
- Knowledge about failure mechanisms

And...a very good nervous ...central system!





That's all folks!

