



The Italian National Fire Corp Contribute to The Safety Management System Inspections on Major Hazard Industries: a Fire Officer Point of Vue

Mutual Joint Visit Workshop for Seveso Inspectors

Arona, Italy

17-19 September 2014

The Italian National Fire Corp duties

- Urgent Technical Rescue Service and Civil Defence
- Fire Prevention on fire risk activities, COMAH regulation coordination
- Inquiry Activities in consequence of safety and fire prevention law violation

The Fire Brigade Involvement 1

The Italian National Fire Corp was charged of the control activities on Major Hazard Plants long before UE first Industrial Major Hazard Regulation was emitted, as consequence of Flixborough (1974) and Seveso (1976) Disasters impact on public opinion

The Fire Brigade Involvement 2

- The Italian National Fire Corp involvement on Fire Prevention, both on "Civil Critical Buildings", "Productive Plants", "Flammable Storage"... was based on the following considerations:
 - A Technical Corp Structure with University Degree Engineers with know-how on Fire Phenomena from the year (1941) the Corp was established,
 - An Uniform Organization throughout the National territory under Italian Home Office
 - The availability of statistical data for Fires on

The COMAH Regulation

- The Italian "Seveso" directive reception
- The SMS Inspection regulation

The Italian National Fire Corp, some numbers

- More than 500 MA Engineers (Structure, Mechanical, Chemical, Nuclear, Electrical)
- National Laboratories on Fire Research
- 18 Regional Directions contribute to their Regional Committee for COMAH regulation with a President, Secretary, various members

The National Fire Corp Contribute to SMS Inspections

- On each team, a member, University Degree qualified with a real know How on Emergency Management, skilled on real field operations
- A team member with judiciary police qualification
- The coordination with local fire brigade, with the target of a "Peace Time" early planning

Some Statistics

Consideration on the COMAH Regulation

- The COMAH regulation involves on two tiers threshold large plants owned by multinational company, giant hydrocarbons storage as well as small storage of chemicals or galvanic plants
- The SMS philosophy could be largely different between those activities

Multinational Owned Plants

- The Safety Policy and the Fire System Standards applied by the mother company could be not totally compliant with Italian and UE standards
- Some Product Certification Problems could rise as the Mother Company Impose a central purchasing policy to safety and fire devices

Consideration On SMS Inspections

- The Quantitative Risk Analysis "Trap" on Demming circle: the Safety Case and The Safety Management System....

(personal) consideration on Small Plants:

- SMS criteria on Critical Devices sometimes overtake a reasonable real scenario analysis
- SMS results sometime in a struggle to apply a taylorist approach to a family owned mechanic's workshop
- After some inspections on the same site, How many real value-add safety prescriptions and recomandations?
- NaTech Scenarios, are they considered?



Thank You
Any Question?

vincenzo.puccia@vigilfuoco.it