

“Capacity Building and Strengthening Institutional Arrangement”

Workshop: Quantitative risk assessment of oil and gas plants“

Eu and Italian Procedures and Organizations Involved in Oil and Gas Major Hazards

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Control and verification activities on industrial establishments

Aimed to:

- Verify efficiency of prevention policy applied by operators and effectiveness of related SMS
- Safety Reports Evaluation on existing establishments
- Technical evaluation on projects that needs authorization procedure in relation to new industrial establishments (or modification to pre-existing ones with increasing risk)

Operative Tools: Authorities Control Procedures called:

- “ISTRUTTORIE TECNICHE” Italian phrase that stands for “Authorities Technical Control procedure”
- “VERIFICHE ISPETTIVE” Italian phrase that stands for “Inspective Verification “

Verifiche Ispettive – L. D. 1999, Nr. 334

Aimed to verify efficiency of prevention policy applied by operators and effectiveness of related SMS

- On standard condition:
 - Inspective Verification carried out by local authorities
- On transitory condition:
 - For industrial establishment under article 8, a specifically dedicated Inspective Committee is designated by means Ministry of Environment decrees (on the base of statements indicated in M.D. 5th November 1997)
 - For industrial establishments under article 6, Inspective Verification are stated by local competent regional authorities.

“Istruttorie Tecniche” – L.D. 1999 Nr.334

Aimed to Safety Reports Evaluation on existing establishments and Technical evaluation on projects that needs authorization procedure in relation to new industrial establishments (or modification to pre-existing ones with increasing risk)

- On Standard Condition:

“Istruttoria” carried out on the base of a specifically dedicated local (regional) government regulation, that identify the competent local authorities as “enforcements institutional subjects” of prescriptions resulted from “istruttoria” itself.

- On transitory condition:

–“Istruttoria” carried out by a Local Technical Committee called (CTR) that eventually outcomes with enforcements prescription

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- They differentiate from each other on the base of inspected establishment:
 - SR related to new establishments
 - SR related to existing establishment
 - SR related to modifications with increasing risk
- CTR evaluate the adequacy of plants and managements solution proposed by operators aimed to risk reduction
- Examine the SR, the efficiency of Safety Analysis and its congruence with External emergency plan (EEP)
- Outcomes with prescriptions regarding corrective actions

“Verifiche ispettive” & “Istruttorie Tecniche”

- **Each activity follows different procedural way.**
- **Factor connecting two activities are out coming results which can be useful to each other**

- **Two operative tools:**
 - **REGULATORY:** M.D. 5/11/97, L.D. 334/99, M.D 9/8/00, Ministry of Environment Guidelines (Waiting for DECREE)
 - **TECHNICAL (Ministry of Environment Guidelines Annexes):**
 - Scheme of Collection of Historical Experience on accidental events occurred in the past
 - Check list of SMS Elements on the base of M.D. 9/8/00

“Verifiche Ispettive” – Inspective Committees

- Composed of at least 3 members selected from local or national authorities:
 - APAT (CTR ex-members)
 - ARPA (auditing experience, formation courses)
 - CNVVF (General Head Chief Inspector, Local Headquarters)
 - ISPESL (Local inspectorate)
 - Ministry of Environment (General Directorate - DSA)

- Mandatory mission:
 1. To verify effectiveness of strategies and action carried out by operator for Major Accidents Risk mitigation (Procedures Indicated by Ministry of Environment)

 2. Identification of risk to human health and environment connected to:
 - Establishment position
 - Neighborhood with other establishments (Domino Effect)
 - Dangerous substances management and transportby taking on account EEP prepared by Prefecture

“Istruttorie tecniche – L.D. 1999 Nr.334

CTR – Regional Technical Committee

- Managed by Fire Brigades National Body and composed of :
 - Fire Brigades County Head chief
 - 2 Members of Local Environmental Agency Department
 - 2 Members of Local ISPESL Department
 - 1 Member of local Regional Authority
 - 1 Member of local County Authority
 - 1 Member of local municipality