

Webinar on “Seveso Enforcement and Site Risk Management during the Covid-19 Pandemic”

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Work reorganization measures and management continuity during the pandemic: Case studies from the process industry

Romualdo Marrazzo

Service for Risks and Environmental Sustainability of Technologies, Chemical Substances, Production Processes and Water Services and for Inspections (VAL-RTEC)

ISPRA - Italian National Institute for Environmental Protection and Research

Program and themes

- 1. New protocol for carrying out inspections in the COVID period**
- 2. Information on the status of the establishment in pandemic conditions**
- 3. Company measures for the prevention and containment of the virus diffusion**
- 4. Conclusions and guidelines**

1. New protocol for carrying out inspections in the COVID period

- **Health emergency** from SARS - CoV - 2 has resulted in **limitations** in carrying out **on-site inspections** on the national territory
- ISPRA, National Fire Brigade (CNVVF), Safety at Work Institute (INAIL) and Ministry of Environment (MATTM), **in compliance with LD 105/2015** (Italian implementation of the Seveso III directive), have introduced **alternative methods for carrying out inspections**
 - Possibility of performing **some phases remotely**
 - Identified **what can be done through documentary examination** and what **must be done on site**, with possible completion of documentary analysis

The new phases of inspections

1. **Remote start** of the inspection, with the collection of **documentary evidence**
 - Documentation made **available with preliminary requests** for inspection a/o sharing **during VdC**
2. **On-site visit** and inspection
 - **Interviews** with internal and external **personnel**, **plant inspections** and **emergency drills**
3. **Ending the activity remotely**
 - Inspection results with **evidence of the non-compliances found**

Process industry case studies (strategic activities):

- Crude oil extraction and process center
- Oil refinery

2. Information on the status of the establishment in pandemic conditions

Continuation of operational activities

- There were **no interruptions** to production processes or work activities
 - No consequences on the accident scenarios hypothesized in the **Safety Report**
- **Confirmation** of the implementation of the measures provided for in the **Emergency Plan**
 - The presence of **figures with roles** in the Internal Emergency Plan (IEP) is **constantly guaranteed according to the responsibilities** identified
 - **Guaranteed** the daily compositions of the **emergency teams on the site**, according to the **scenarios** from the Safety Report

- **No changes** or additions to significant **SMS procedures** have been adopted
 - The **documentation** in compliance with the “**safety at work**” legislation has been **updated**, due to the **new mode of staff presence** on site
- **Reduction** of presence and activities carried out by **third-party companies**
 - Activities connected with the **safe operation of plants** were ensured

Process industry case studies (strategic activities):

- Crude oil extraction and process center
- Oil refinery

3. Company measures for the prevention and containment of the virus diffusion

Work reorganization measures

- The production **operational staff**, operating on 3 shifts of 12 hours, **reorganized on shifts of 12 hours**
 - **Reduction of daily alternation** in the plant and minimization of daily **shift changes**
 - Identification of **homogeneous groups of shift workers** (teams), isolated at home, **as reserves** in the event of infections **of the groups remaining in shift**
- Implementation of the **teleworking method** (smart working) extended to **non-operating personnel**
 - **Management**, executives and **day workers** (60% of the workforce)

Access procedures at the site

- Access to the site with **dedicated entrance and exit routes**, maintaining a **distance of 1 m**
 - **Thermal scanner** with no entry if temperature $> 37.5^{\circ}$
 - **Separation** of the changing area **in the locker rooms**
 - **Diversification** of access times to **company canteens**
 - **Sanitation** of environments and **distribution of masks** with procedure for **maintaining their characteristics**
 - **Avoid face-to-face meetings** (s.c. “in presence”) by using **videoconferencing**

Contrast and virus containment

- Application of **COVID-19 protocol and “Contingency Plan”** in agreement with the **workers’ unions**
 - **Management** of potential **asymptomatic positive** cases
 - **Tracking close contacts** in the company site
 - Carrying out **screening for detection of potential cases** of positive infection and **prevention of possible infections**
 - Possibility of **“quick swab” for entry** into the plant a/o for **personnel from abroad** (multinational company)
 - Ability **to house staff**, for the entire duration of the shift **rotation a/o quarantine**, at accommodation **facilities** in the nearby area (multinational company)

4. Conclusions and guidelines

- Respect of time **frequencies** for training and **update** sessions
- Explanation of the **contents** of training activities carried out in **"remote"** mode, with a **final verification session** ("in presence")
- **Consultation with worker representatives** on mandatory documentation (**MAPP, training program, IEP**)
- Compliance with the **timing and frequency of inspections on** some critical technical **systems**, performed by **staff of third-party** companies
- Checks and **controls subject to actual exercise**

New inspection method: strengths

- The **new inspection method** ensured the **continuation** of the **control** activity
 - **Complete** preliminary **document check**
 - Push towards **dematerialization**
 - **Bigger number of remote meetings** with manager and company representatives (4/5 days)
 - **More time** available for drafting the **final inspection report**
 - **Minimization of site visits** and reduction of face-to-face meetings (1/2 days)
 - **Guarantee of safety and health protection** in compliance with the COVID-19 protocols
 - **Economic and human savings** for Public Administration and companies

Questions...???

romualdo.marrazzo@isprambiente.it

Thanks for the attention!