

**Policies, procedures and practices applied at
ALRO Slatina in the management of the emergency situations generated by hazardous
substances
Safety report**

The major accidents prevention policy where the substances under the terms of the SEVESCO Directive are involved represents for ALRO a commitment for a long lasting development oriented towards the people health and environment protection and towards a prosperous economy.

The evaluation regarding the objective meeting the Government Decision 804/2007 stipulations indicates the fact that only the cryolite is the hazardous substance which exceeds both the upper and the lower limit of the specific relevant quantities. As for the cumulated status for all the hazardous substances existing on the location, it should be noticed the fact that these limits are for toxic substances and not for the oxidant, explosive and/or flammable ones.

The high danger potential of the ALRO Slatina activity justified the drafting of the *Domestic emergency plan* and of the *Safety Report* based on the GD 804/2007 which transpose the Directive 96/82/CE –SEVESO Directive.

All emergency regional plans are integrated in an unitary and coherent system for approaching some major accidents' risk control management. The set objectives are specific, measurable and can be operatively achieved. It is also taken into account the periodical reviewing necessity (any time it is required), considering the:

- development of technical knowledge;
- integration of the knowledge resulted after the eventual major accidents produced in the location or outside of it, at different operators ;
- simulations developed in a certain period of analysis and evaluation of the emergency plans' efficiency;
- significant changes;
- human behavior as response to the crisis situations.

The decisions regarding any aspect of the plant, equipment, etc. and which procedure or activity requires monitoring, on what frequency and at what depth, are based on risk considerations and are taken by the company management.

Thus, it is achieved ***an active monitoring*** in relation with the major risk control activity, including:

- systematic inspection of the plants, equipments, instruments and control systems which are important for the continuous and effective operational control, in relation with the major accidents prevention;
- systematic and direct observation of the employee work and behavior in order to evaluate the compliance with the safety procedures and rules which are important for the major accidents control;
- periodic examination of the registration documents for the operational and environmental monitoring results in order to check the compliance with the safety standards;
- control by the process managers of the monitoring activity developed by the subordinate personnel.
- simulation of some emergency situations generated by hazardous substances under the terms of the SEVESO Directive.

ALRO is aware that, by the nature of its specific developed activities which imply usage, distribution and storage of flammable, toxic and potentially noxious agents, the location they manage may become the source of a major accident with negative effects over the employees, the public, the natural and antropoc environment, thus assuming the responsibility of taking all the preventive measures in order to control this danger. The most important achievements which

ALRO recorded in the administration and management of the substances under the SEVESO terms are the following :

- Construction, in compliance with the most modern technologies in the field, used in the European Union, of an industrial waste ecological warehouse which allows the controlled storage of the industrial wastes and reduces the risk of producing any emergency situations;
- Elimination of the PCB content condensers by contracting some specialized companies, thus, currently, we follow the PCB content condensers elimination plan which has been handed to the certified authorities;
- Replacement of the domestic rolling oils with the import oils supplied by the companies Exxon Mobil and Houghton ;
- Monitoring the accident risk reduction activity where all the hazardous substances are involved, by monthly environmental reports and by organizing simulation exercises for the production of accidents with hazardous substances involved. Some certified authorities attend these exercises (Environmental Protection Agency Olt, Emergency Situation Inspectorate and the Environmental Guard Authority Olt); the organizers present the exercise development plan, each sector involvement, the intervention times, and, obviously, the remarks resulted after the application development.
- Execution of an electronic program of the classified substances inputs /outputs daily monitoring which make the object of the reportings to the National Agency for Hazardous Substances and Chemicals and the National Anti-drug Agency.

The operational control within ALRO activity comprises two main sides, that is: process monitoring and the environmental factors monitoring.

Process monitoring represents the permanent measurement and control of the physical-chemical and technical parameters of the operation process, in compliance with the operation standards and the fabrication rule, in order to achieve the technical performances imposed as well as to assure the operational safety. This monitoring' results allow the operative localization of some possible failures or abnormal operations, of partial or total stoppage of the activity or even at the start up of the chemical alarm and intervention procedures.

Environmental factors monitoring represents the performance of permanent or periodical analyses of the water and air quality in the location area and the checking up of the compliance with the environmental standards. This monitoring' results are at the base of some decisions regarding the application of corrective measures and even at the start up of the chemical alarm and intervention procedures. In case of failures finalized by major accidents, a permanent monitoring of the affected areas is achieved, until the total recovery of their effects.

Within the Integrated System of the Quality-Environment- Labor Safety Management context, ALRO Slatina also develops an extremely important side: **risk management**, direction meant to assure a proper work environment for all the company employees.

The emergency situation management represents for ALRO Slatina the application of some policies, procedures, practices having as objectives the risk identification, analysis, dealing, monitoring and reevaluation in order to reduce them so that ALRO personnel may work in a durable physical and social environment.

Our company current strategy drafting was imposed also by the radical modification of the legislative frame, by the international authorities' recommendations which impose the necessity of euro-compliance with the emergency situation practices and procedures.

All these are arguments for changing the optics over the approaching manner of the management issue where all the hazardous substances are involved and, especially, over the necessity of switching to the reactive type action concept, at a pro-active action, of prevention of the risk manifestation or of limiting the potential damages which may affect both the company and the local community (the DOMINO effect).