



Identification of hazardous objects. Measures to prevent the accidents.

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Civil Protection Inspection

- In each territorial administrative unit of the republic
- Engineer protection
- Radiation and chemical protection
- Medical biological protection



Chemically hazardous objects

A chemical hazardous object represents an object where toxic substances are stored, processed, used or transported and that in case of accident or deterioration may cause death or chemical contamination of humans, animals and crops, as well as the chemical contamination of the environment.

On the territory of the there are functioning around 349 chemically hazardous objects with the danger degree of 2, 3 and 4, at which there are used more than 2000 tonnes of very toxic substances, including:

- Liquid chlorine – 260-350 t. (49 objects) /water treatment;
- Liquefied ammonia – 330-559 t. (60 objects) / frigorific installations;
- Sulphure dioxide – 210-320 t. (159 objects) /in the wine industry, sugar and preserves production;
- ethylmercaptan – <120 t. (73 objects) /gas odorant at





Legislative base

- 1. Law of RM „On civil protection” no. 271-XIII of 09.11.1994.**
- 2. Law of RM „On the toxic products and substances regime” no.1236-XIII of 03.07.1997.**
- 3. Law of RM „On the export, reexport, import and tranzit of strategic goods control” no.1163-XIV of 26.07.2000.**
- 4. Law of RM „On industrial security of the industrial hazardous objects” no. 803-XIV of 11.02.2000.**
- 5. Law of RM „On regulation of the enterprise activity by licensing ” no. 451-XV of 30.07.2001.**



Yearly the CP Inspection

- Inspects 100% of hazardous objects
- Elaborates the Control Act with prescriptions
- Issues the Passport of the hazardous object
- Filling the tables according the established forms
- Carrying out of applications



The chemical hazardous objects from the _____ city, district

The radioactive hazardous objects from the _____ city, district

[illegible]



TEHNICAL REGULATION

- ***NORMS AND TECHNICAL-ENGINEERING
REQUIREMENTS FOR THE CHEMICAL
AND RADIOACTIVE HAZARDUS OBJECTS***

RT SPCSE 1.01.2009



TECHNICAL REGULATION

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Enhances provision of industrial security, prevention of accidents and other production damages at the industrial hazardous objects, provides the preparedness of enterprises that use hazardous objects and increases the preparedness for localization and liquidation of accidents consequences.



TEHNICAL REGULATION

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CLASSIFICATION OF CHEMICAL HAZARDOUS OBJECTS ACCORDING TO THE CHEMICAL RISK

№ d/o	Identification of classified objects	Criterion (index) of identification of OEN as chemically hazardous	Numerical criterion indexes udes for classification of OEN according to the chemical risk			
			I	II	III	IV
1.	According to SNiP (Construction Norms and Rules) 2.01.51.90, the chemical dangerous object is OEN, which damage or accident may mass affectation of persoans, animals and plants with very toxic substances (SPT).	The number of population living in the area of possible contamination with SPT.	The area of possible contamination includes more then 75 thousands persons.	The area of possible contamination includes between 40 and 75 thousands persons.	The area of possible contamination includes less then 40 thousands persons.	The area of possible contamination is not exceeding the limits of the object and its sanitary protection zone



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The technical-engineering requirements for the chemically and radioactive dangerous objects

- **Licensing**
- **Certification** on the security during the exploitation process

1.Organizational measures:

- measures to locate the accidents by disconnection the most vulnerable sectors of the technological schemes
- “The Action Plan for protection of personnel and population In case of an accident with release of very toxic substances”.

II .Engineering measures:

- training of the operative and continuous dispatcher services
- Yearly trainings and maneuvers



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The radioactive and chemical protection system of the personnel and population

- ***Organization of the radioactive and chemical protection system***
 - special requirements regarding the rational localization of the potential hazardous objects and communications
 - Increase of the security of the functioning of vital insurance objects
- ***Protection measures for the personnel and population, located near the radioactive and chemically hazardous objects is provided through:***
 - radioactive and chemical control of the contamination
 - Early forecast of the possible contamination area
- ***Assurance of execution of radioactive and chemical protection measures***
 - The responsible person for the provision of employees and population protection
 - Fully provision with individual means of protection



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When receiving the information about occurrence of an accident at an industrial object the manager has to:

- Activate the subordinated administration bodies, civil protection forces and measures, the subdivision of the National Laboratory Observation and Control Network (RNOCL), command, warning and communications systems;
- Act according the relevant chapters of the “PC Plan in case of Emergency Situations”, to ensure population protection, that may be located in the contaminated zones, its evacuation and sheltering;
- Organize the research;
- To order preliminary activities for the liquidation of the accident;
- Organize the management of the activities for the liquidation of the accidents consequences.



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accident consequences liquidation

The economic agents have to:

- a) plan and carry out measures for the localization and liquidation of the accidents consequences;
- b) to establish its own rescue and intervention services or to contract with professional rescue teams or to establish rescues teams that are not included in its personnel;
- c) to establish, according to the legal framework, financial and material resources rezerves for the localization and liquidation of the accidents consequences;
- d) to train the employees regarding the measures in case of an accident or incident;



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Annexes

The actions carried out by the administration team, employees and population in case on an accident, accompanied by release of SPT or loss of control on SII.

- *President of the Commission of Emergency Situations*
- *Chief-engineer*
- *The specialist in the filed of Civil Protection*
- *the dispatcher on duty*
- *Chief of the shift*
- *Employees*

The actions carried out by the population near the chemically or radioactive hazardous objects in case on an accident, accompanied by release of SPT or loss of control on SII.



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Annexes

- **First medical aid**
- **Guidance of the actions to be taken by the on duty dispatcher in case of an accident at a chemically or radioactive hazardous object or transportation of dangerous loads**
- **Action Plan for the protection of employees, officers and population in case of an accident accompanied by release of SPT**
- **The Passport of the chemically hazardous object**
- **The registry of information and provisions issued in case of an accident**
- **List of the chemical and radiological risk substances that require a severe control while being imported, exported and transported on the territory of the republic**



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Anexe

Cartele de avarie la principalele substanțe, **ce conțin:**

- Basic properties and the type of risk
- Individual means of protection
- Necessary single time measures, in case of leakage, in case of fire, in case of ignition
- Measures for the first medical aid



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Annexes

- **The text of the on duty dispatcher addressed to the employees and population in case of an accident, accompanied by the release of toxic substances with a strong effect or loss of control on a source of ionized radiation**
- **Guidance on the actions to be taken by the on duty dispatcher of the industrial object in case of an accident, accompanied by the release of toxic SPT**
- **The order of the actions to be taken by the on duty dispatcher**
- **The guidance on the response of the responsible person according to the levels of intervention levels of intervention in case of chemical or radioactive accident**
- **The response measures to chemical or radioactive accidents.**

QUESTIONS

