Teaching environmental matters to companies

Economic - legal and technical regulation of the interaction of the enterprise and the natural environment

Scientific and practical guide to additional professional training (used in environmental audits, development and certification of management systems of a number of Transneft enterprises, Russian nuclear power plants, hydroelectric power plants).

Gennadi Serov is Professor at the Department of Environmental Law and Environmental Safety, International Institute of Environmental Professional Retraining of the Ministry of National Economyand Sciences of Ukraine; Lecturer at CVU DPO SSM "CENTER-INFORM"; Academician of the Russian Ecological Academy.

CONTENTS
List of main abbreviations
Preface
I. PART. The ecological sphere as an operational space for interaction between the enterprise
and the natural environment
1.1. On the evolution of the conceptual provisions of sustainable development and the formation of
forms of interaction between the enterprise and the natural environment
1.2. Economic and other activities carried out in the environmental sphere as the main activity of
the enterprise
1.2.1. Types of economic and other activities
1.2.2. Economic and other activities as a source of threats of a technogenic nature to the natural environment
1.3. Environmental protection as an activity that ensures the conduct of the main activities of the enterprise
1.4. Environmentally oriented entrepreneurial activity accompanying the main activities of the
enterprise
1.4.1. Environmental insurance
1.4.2. Eco-audit activities.
1.4.2.1. General provisions
1.4.2.2. Environmental Audit System in Moscow
1.4.3. Technical regulation
1.4.3.1. General provisions
1.4.3.2. System of technical regulation of the enterprise
1.4.3.3. Environmental standardization
1.4.3.4. Environmental certification
1.4.4. Environmental management in the context of ISO standards
1.4.5. "Green" services: labeling, advertising, marketing
II. PART: conceptual and terminological apparatus and economic - legal tools for regulating the interaction of enterprise and the natural environment
2.1. Rational use of natural resources as a form of interaction and subject of study
2.1.1. Rational use of lands, soils, territories
2.1.2. Rational use of the continental shelf of the Russian Federation
2.1.3. Rational use of marine waters, the territorial sea and the conjoining zone of the Russian
Federation
2.1.4. Rational use of water resources
2.1.5. Sustainable use of forests
2.1.6. Rational use of air and near-Earth outer space
2.2. Environmental activities as a form of interaction and subject of training

2.2.1. Economic and other activities as a source of man-made threats to the natural environment....

2.2.2. Legal mechanisms (legal means) of economic regulation in the field of environmental

protection.....

- 2.2.3. State support for economic and (or) other activities for the purpose of environmental protection
- 2.2.4. Monitoring in the implementation of activities in the field of ecology......
- 2.2.6. Production control in the field of environmental protection (production environmental control)...
- 2.2.7. Municipal environmental control and public environmental control in the field of environmental activity....
- 2.3. Ensuring technogenic security and anti-terrorist protection as a preventive environmental activity and the subject of training..........
- 2.3.1. Security as a state of protection of the vital interests of the individual, society and the state from internal and external threats....
- 2.3.2. Ensuring the safety of hazardous production facilities.....
- 2.3.3. Ensuring fire safety of production facilities
- 2.3.4. Ensuring the safety of hydraulic structures....
- 2.3.5. Ensuring the energy security of production facilities
- 2.3.6. Security as a state of protection of production facilities from illegal interference in the management of technological processes and anti-terrorist protection of buildings, structures and structures
- 2.3.6.1. Ensuring the safety of production facilities of the fuel and energy complex....
- 2.3.6.2. Ensuring the safety of nuclear power production facilities.......
- 2.3.6.3. Ensuring the safety of production facilities with which activities in the field of aviation are carried out.......
- 2.3.6.4. Ensuring the safety of production facilities, using which rocket and space activities are carried out.......
- 2.3.6.5. Ensuring the security of transport infrastructure and vehicles
- 2.3.7. On the culture of safety in the implementation of activities in the environmental sphere ...
- 2.4. Ensuring environmental safety, protection from natural emergencies and environmental antiterrorist protection as preventive environmental protection and the subject of training.......
- 2.4.1. Environmental hazard, environmental safety and environmental anti-terrorist protection in the context of Russian legislation........
- 2.4.2. Ensuring environmental safety and environmental anti-terrorist protection....
- 2.4.3. Ensuring protection from natural emergencies as an integral part of environmental safety......
- 2.4.4. Organization of announcement and establishment of the regime and zones of ecological disaster....
- 2.5. Exchange of environmentally significant information in the context of information security as a subject of training....
- 2.5.1. General provisions: environmentally significant information and its protection
- 2.5.2. Legal regulation of the provision of environmentally relevant information.....
- 2.5.3. The rights of citizens to receive and disseminate information.....
- 2.5.4. Categorization and restriction of access to environmentally relevant information......
- 2.5.5. Ensuring information security....
- 2.5.6. Preparation of environmental and sustainable development reports
- III. PART: The system of management of the interaction of the enterprise and the natural environment as an update of the Environmental Management System
- 3.1. Principles and stages of development of the interaction management system
- 3.2. Decision-making procedures in the interaction management system......
- 3.3. Budgeting and risk management of the project......
- 3.4. Providing human resources for work in the field of interaction management.....
- 3.5. Internal audit of the suitability, adequacy and effectiveness of the interaction management system
- 3.6. Analysis by the top management of the interaction management system and the effectiveness of management...
- 3.7. Documentation of the Interaction Management System

IV DADT. The content of the outcome
IV. PART: The context of the enterprise
4.1. Enterprise as a subject of law and object of rights (property complex)
4.2. Enterprise as a product system
4.3. Enterprise at the stage of economic transition to the concept of "green growth"
4.4. The company as a participant of the strategic planning system
4.5. The enterprise as an object link of the functional subsystem of the Unified State System for
Prevention and Elimination of Emergency Situations
4.6. Ecological image and investment attractiveness of the enterprise
4.6.1. Environmental friendliness and environmental efficiency of the enterprise
4.6.2. Risk – an approach to assessing the investment attractiveness of an enterprise
V. PART: Actualization of the organization of additional professional training, due to changes in
the socio-demographic and environmental situation in Russia.
5.1. Additional vocational training in the context of education legislation
5.2. Additional vocational training in the context of labour law
5.3. Additional vocational training in the context of legislation on pension provision for Russian
citizens
5.4. Additional vocational training in the context of legislation on safety and protection against
natural and man-made emergencies
5.5. Additional vocational training in the context of environmental law
5.6. Additional vocational training in the context of legislation on safety and protection against
natural and man-made emergencies
5.7. Additional training in the context of auditing legislation
5.8. Additional training in the context of the united Nations Economic Commission for Europe's
regulatory cooperation policy
VI. PART: A program of additional professional training in the field of management of the
interaction of the enterprise and the natural environment
6.1. General requirements for additional professional training programs
6.2. The context of the enterprise as the basis for the formation of the target audience and the
program
6.3. Organizational and pedagogical conditions for additional vocational training
6.4. Description of the list of professional competencies of the employee, qualitatively changing as a
result of his additional professional training
6.5. Goals, objectives and expected results of additional professional training
6.6. Forms of final certification
6.7. Practical Training Tools
6.7.1. Practical courses (modules) and curricula
6.7.2. Guidelines for practical exercises and independent work

enterprise and the environment.....

and the Natural Environment.....

6.10. Organization of evaluation of the effectiveness of additional professional training for

developers and internal auditors of the system of management of the interaction of the

Appendix. Conceptual and Terminological Dictionary: Management of the Interaction of Enterprise