

Natural Capital

[Control over Subcontracting Organizations' Activity Causing Environmental Impact](#)
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[Nuclear and Radiation Safety of Nuclear Power Industry Facilities](#)

Natural Capital ²¹

We are committed to responsible designing and construction of nuclear and thermal power energy facilities and acknowledge that functioning of Company's subdivisions and branches, as any other anthropogenic activity, may lead to a negative impact upon the environment.

Environmental Policy ²²

Our Environmental Policy complies with legislative requirements. The Company carries out and expands engineering activity in accordance with the requirements for environmental safety assurance and prevents deterioration of environmental resources.

The Environmental Policy is based on the principles as follows:

Compliance principle means compliance with legislative and other requirements in the field of safety assurance and environmental protection;
Continual improvement principle means the system of actions aimed at achievement and maintenance of high level of environmental safety;
Prevention principle means the system of actions aimed at prevention of dangerous environmental impact;
Readiness principle means constant readiness of the Company's management and staff to prevention and remediation of radiation accident or other emergency situation on facilities under construction;
Consistency principle means systematic and integrated assurance of environmental safety and performance of environmental activity by the Company's subdivisions and branches;
Openness principle means openness and availability of environmental information, and effective communication of the Company's specialists and managers with the community.

The Environmental Policy was approved by State Corporation ROSATOM and brought into force by an order of the NIAEP President.

During elaboration of the Environmental Policy priority directions of its execution were determined as follows:

Introduction of modern global technologies (Multi-D) into designing processes;
Introduction of energy efficient and resource-saving technologies for construction of power facilities and methods of construction management;
Assurance of compliance with the requirements of environmental legislation;
Constant monitoring of the Company's environmental impact, careful processing of collected data

and application thereof in further work;

Arrangement of necessary training for the employees whose production activity may lead to environmental pollution, their professional development and promotion of initiatives in the field of environmental conservation;

Elaboration of environmental activity and safety economic management system.

The Company's Environmental Policy is executed within the frames of environmental management system (EMS). EMS is elaborated on the basis of the Plan-Do-Check-Act (PDCA) model, including processes of planning, execution, control and action.

CEMS is a component of the Integrated Management System (IMS) of the Company. In addition to EMS, IMS includes Quality Management System and Safety Management System based on the requirements of standards ISO 9001:2008, ISO 14001:2004, OHSAS -18001:2007 with consideration of the requirements of the Russian legislation and IAEA.

Fig. 7.10. Environmental Management System Model

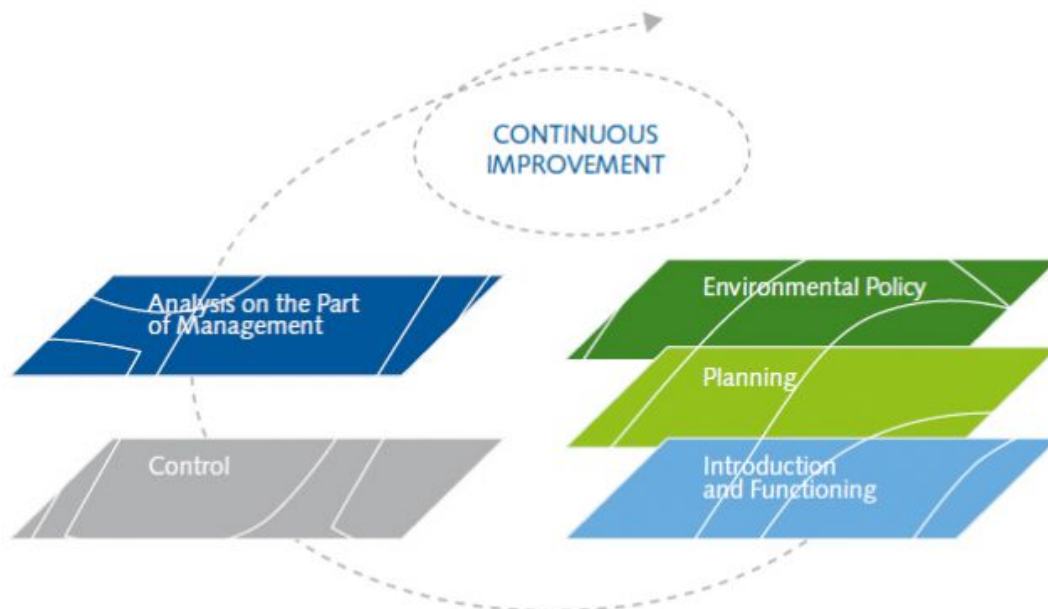


Fig. 7.10. Environmental Management System Model

At the end of 2011 in order to prepare for elaboration of IMS, in particular EMS, the Company carried out environmental audit and defined environmental measures for further elaboration of documentation. In 2012 environmental audit of the Company's Central Office was carried out and the Integrated Management System was elaborated.

In 2012 activities were carried out connected with IMS introduction:

- Elaboration of environmental aspects of subdivisions' and organizations' activity;
- Elaboration of ISM goals and tasks;
- Introduction of IMS to the employees;
- Elaboration of the required regulatory materials;
- Execution of pilot EMS audits in a number of subdivisions;
- Trial application of EMS elements in the NIAEP Central Office and branches.

2013 plans:

- Updating of elaborated documents;
- Internal audits in subdivisions;
- Pre-certification IMS audit;
- Corrective actions based on the results of IMS audits;
- Procurement of certificate on IMS compliance with the requirements of ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007.

There are two types of Integrated Company's impact on the environment:

- Impact of the Company's activity as an economic entity;
- Impact of NPP generating units at all lifecycle stages.

Maximum environmental impact is exerted during construction of generating units. To control the impact of the Company's production activity on the environment the following documents are being elaborated in the NIAEP Central Office and branches:

Provision on Environmental Safety Assurance, Environmental Protection during Construction of Start-up Facilities;
Provision on Industrial Environmental Control;
Industrial Environmental Control Program;
Plans of activities on reduction in waste generation and disposal.

These documents provide for division of responsibility between construction agents, include the scheme of cooperation with environmental authorities, regulate the issues on planning of environmental activity and industrial environmental control, etc.

²¹ In Chapter 7.4.1. Environmental Policy information refers to the Integrated Company in whole. In Chapters 7.4.2.–7.4.5. information is given with regard to JSC NIAEP only.

²² You may find additional information on the Company's activity in the field of environmental protection on our website (www.niaep.ru in section – Activity – Environmental Policy).

