

Translation of Youth10 A -

Requirements for the implementation of R & D

4.1. Terms

4.1.1. The object is to be determined in the reconstruction / h 25555.

4.1.2. Studies on the topic conducted in order to address specific issues of reconstruction of the object.

4.1.3. In order to clarify the objectives and scope of the examination the prime contractor in conjunction with developers and accomplices of R & D annual work program and coordinates it with the head of the project organization, says in a / h 25 555 and is in in / hr 87406.

4.1.4. Baseline data for research are preparing a prime contractor R & D together with developers and approved / h 25,555 and is represented in / h 87406. Contributor R & D input data are sent to a prime contractor not later than 3 months before the date of completion of each phase.

4.2. The main results of research

4.2.1. The concept of the reconstruction of the object in view the requirements for survivability and security.

4.2.2. A set of techniques (scientific and methodical apparatus):

4.2.2.1. The method of estimation razvedzaschischennosti object in view of enemy use of seismic technology of foreign countries at various stages of reconstruction.

[technical equipment for seismic survey]

4.2.2.2. Methods of research and evaluation of emissions from the object of influencing the ecological safety of the environment.

4.2.2.3. Methods of assessing the technical condition and residual life of the lining of cast-iron tubing with the use of instruments of nondestructive testing.

4.2.2.4. Methods of assessing the potential of building structures, KVK and protective devices.

4.2.3. Complex methods:

4.2.3.1. Methods for comprehensive protection of the KVK under the influence of damaging factors of NE (nuclear explosion). *encouraging*

4.2.3.2. Methods of razvedzaschischennosti (protection against signals intelligence) object at different stages of its reconstruction.

4.2.3.3. Methods of reducing environmental impacts on the environment of emissions from the facility at various stages of its reconstruction.

4.2.4. Technical decisions and recommendations:

- Reconstruction of a special object;

- To improve ways of protecting personnel, technology and engineering systems from seismic, acoustic effects and the impact of electromagnetic pulse;

- To strengthen the building structures;

- To ensure the application of modern technologies in the reconstruction of a special object.

1. Step 1: November 30, 2009

1.1. Developing the concept of reconstruction of the object in view the requirements for survivability and security. Scientific Technical Report

1.2. Develop a set of techniques (scientific and methodological apparatus) to assess the state of the object, its security and environmental security. Scientific Technical Report

1.3. Develop a set of integrated protection of ICC, ensuring razvedzaschischennosti object and reduce the environmental impact on the environment of emissions from the object (under the influence of) *- effect*
damaging factors of NE. Scientific Technical Report *- take into account ??*

2. Step 2: October 30, 2010

2.1. Development of technical solutions and recommendations for the reconstruction of a special object. Scientific Technical Report

effect / inputs = see over

of 2.2 a.2.

*a₁
a.3.1*

effect