The 3rd World Conference on Disaster Risk Reduction

(14-18 March, 2015, Sendai, Japan)

Working Session: Land-Use Planning for DRR

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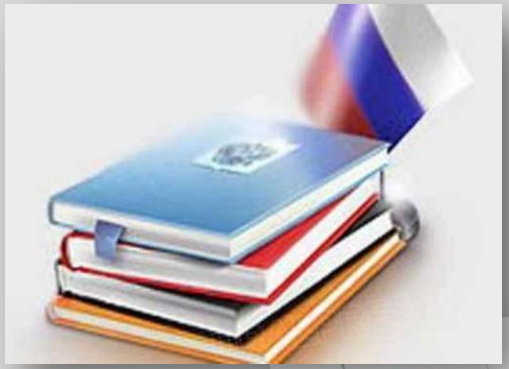
March 16, 2015, 16:00-18:00, Hagi Hall

Basic laws, regulations, standards and specifications on land-use planning

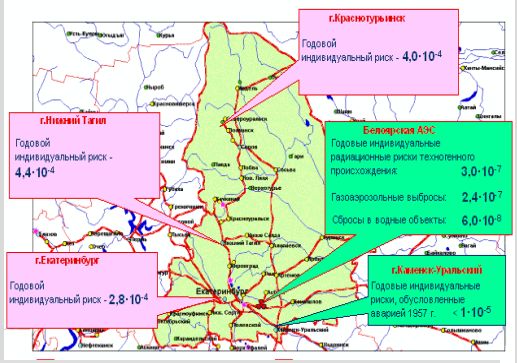


1. Federal law of [illegible]ber 29, 2004 No. 190-FZ. Town Planning Code of the Russian Federation;
2. Federal law of October 25, 2001 N 136-FZ. The Land Code of the Russian Federation;
3. Federal Law of December 21, 1994 No. 68-FZ. On Protection of the Population and Territories from Emergency Situations of Natural and Technogenic Character;
4. Federal Law of January 10, 1996 No. 4-FZ. On Land Reclamation.

1. RF Government Regulation of 18.04.2014 No. 360. On determination of the bordelines of inundated and flooded areas (with the Guidance for determination of flooded area borderline)

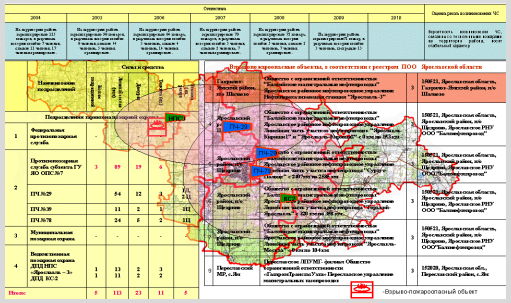
1. Construction regulations SP 42.13330.2011. Urban planning. Planning and development of urban and rural settlements;
2. Construction regulations SP 116.13330.2012. Engineering protection of territories, buildings and structures from dangerous geological processes. General Provisions;
3. Construction regulations SP 11-112-2001. Design procedure and composition of the section "Engineering civil defense measures. Emergency prevention measures" in the planning documentation for urban and rural settlements, and other municipal entities;
4. Construction regulations SP 14.13330.2012. Construction in seismic areas.

Organizational activities for disaster protection of territories



Паспорт территории Гаврилов-Ямского муниципального

Риски возникновения техногенных пожаров



- **Adopting new laws, regulations, standards, specifications;**
- **Identification of potential natural and technological hazards;**
- **Mapping the risk of hazardous impacts for territories;**
- **Organizing the supervision of land-use**
- **Developing an incentive system to stimulate local authorities for exclusion from active land use of areas that may be exposed to adverse environmental factors;**
- **Developing planning documents for minimization of the effects of hazardous exposures.**

Engineering measures for disaster protection of territories

- Raising the soil relief (up-filling, hydraulic fill, soil movement);
- Reinforcing downhill terrain (anchoring, concreting, cement curtains, "wall in the ground," etc.);
- Protection against lightning (lightning rods, grounding, etc.);
- Seismic isolation of buildings and structures;
- Providing engineering protection of critical facilities (embankments, drainage, mudflow storage reservoirs, water reservoirs, etc.);
- Straightening river beds, building bypass channels.

Basic principles of land-use for DRR

Ensure sustainable development of territories, taking into account the structure plan elements (street blocks, microdistricts, etc.), the established boundaries of land plots for construction, siting industrial or other facilities, etc.

Keeping record of areas subject to special terms of land use: protected zones, water conservation zones, sanitary protection zones, flooding zones, underflooding zones, other zones established under the RF laws.

Protection of territories from natural and man-made disasters, activities for civil defense and fire safety.

Territorial planning of risk management in areas of potential disasters

Territorial planning

Contingency planning

Risk mapping

Hazard evaluation

Design parameters

Mapping for emergency response

Risk mapping

Intensity maps

Protection planning

Budgeting and insurance

Planning of local-level activities

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