

# Guidance on Establishing Environment Ecology Plan for Abnormal Climate

## 1. Overview

- Objective
  - This guidance is intended to promote active consideration on environment from the initial phase of development project plan establishment ultimately to perform development project which can better adapt to abnormal climate and live up to the nation's environment conservation requests.
- Definition
  - "Abnormal climate" is a unusual climate phenomenon showing abnormal flood, drought, heavy snow, extreme cold, extreme heat due to global warming and etc.
  - "Environment Ecology Plan prepared for abnormal climate(hereinafter called "environment ecology plan")" means a plan established to comprehensively, organically connect, protect and manage all kinds of environmental elements and ecological functions between the project plan area and its surrounding area in order to plant environmental friendliness like enhancing adaptation to abnormal climate phenomenon due to global warming into development plan when planning and initiating this development plan.
- Major functions of environment ecology plan
  - Functioning as a guideline for environmentally friendly development like constructing environment information on all kinds of environment ecology elements(ecosystem, terrain, natural scenery and etc.), ecological functions and etc. in the project area and its surrounding area based on scientific grounds and based on this constructed information, providing preservation direction for each region and project and selecting the preservation area.
  - Graphitize ecological and environmental functions and etc. and build its database and overlap and integrate this to establish and apply it to environment ecology plan, functioning to establish nature-friendly land use plan.
  - Establish land use plan based on environment ecology plan and function to prevent and mediate dispute and conflict between preservation and development.
  - Enhance city ecosystem constancy and independence and obtain bio-diversity and obtain ecosystem soundness and function to reduce and prevent any damage due to abnormal climate like city flood and drought.
- Environment Ecology Plan Utilization Scope
  - Environment ecology implementation should be established before conducting strategy

environment effect evaluation to get environment ecology plan implementation considered and utilized for strategy environment effect evaluation.

- Environment ecology plan should be established before conducting strategy environment effect evaluation, so that environment ecology plan contents must be referenced and utilized for strategy environment effect evaluation.

## **2. Authorized Establishers and Related Project**

- Authorized Establishers : The authorized establishers of related development plan or the project host
  - Participation of Environment specialists who are capable of investigation, analysis and preservation and value evaluation of environment and ecology and understanding spatial planning
- Establishment development project and establishment period
  - Following city development project and tourist attraction and tourist district development project plans which may cause massive natural environment damage and adverse effect on environment and requires establishing environment ecology plan from the establishment step of top categorized plan
  - Following industrial district development project plan requiring calculated environment preservation plan due to stable environment formation owing to steady population inflow and industrial facility inflow.
  - Others development projects that The Minister of Environment acknowledge that there is a significant concern on environmental effects due to the project or plan and it is necessary to use land in an environmentally friendly way.

## **3. Establishment Principle**

- Environment ecology plan should be established based on development project type and the district's location condition and environmental characteristics and etc. under the principle of 『Preservation First, use later on』.
- Environment ecology plan should be harmonized with preservation and development and realizable and objectively, reasonably established.
- Environment ecology plan should provide a ground for environmentally friendly land use plan establishment by setting environment plan index like park, green rate, Biotops Area Ratio and etc..
- Environment ecology plan should be established before strategy environment effect evaluation, prior disaster effect review and environment effect evaluation and when

selecting planned development district along with establishing development plan, it should be established in planned development district(area) selection step.

#### **4. How to Establish**

- Make out environment ecology implementation in strategy environment effect evaluation step(I. Overview ~ III. Environment Ecology Implementation) and in environment effect evaluation step, all fields should be made out.
- Using officially trustworthy data and correlating with environment preservation plans like environment preservation plan of the local government in the district where the development project is implemented
- Spatial environment information should be graphitized to help the host and reviewers understand and drawings should be drafted using a large-scale precision map with its scale of below 1:25,000.
- Consider both qualitative side and quantitative side for establishment and the quantifiable part must be quantified and qualified to the maximum level.
- The range expected to affect living creatures' living environment and environmental functions from the broad point of view should be selected as environment effect review region and consider its local, environmental and business characteristics to investigate and analyze environment status and establish Environment ecology plan for each field.
- Based on the environment status investigation result, divide into preservation district and available district and divide the preservation district into absolute preservation and relative preservation district and depending on local circumstances, establish appropriate preservation plan.
- When establishing it, the ecosystem of project district and surrounding district, natural scenery, eco-axis, river and all kinds of environment elements should be mutually, organically connected.

#### **5. Submission Period**

- Environment Ecology Plan's outcome must be submitted upon request for discussion on strategy environment effect evaluation and environment effect evaluation.

Source: The Ministry of Environment ([www.me.go.kr](http://www.me.go.kr))