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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HJ 582-2010

**Technical guideline for environmental impact assessment.
Constructional project of pesticide**

环境影响评价技术导则 农药建设项目

(English Translation)

Issued on: September 6, 2010

Implemented on: January 1, 2011

Issued by: Ministry of Ecology and Environment

Table of Contents

Foreword

1 Scope of application

2 Normative references

3 Terms and definitions

4 Working principles and general rules

4.1 General provisions

4.2 Environmental Impact Identification

4.3 Determination of evaluation factors

4.4 Determination of evaluation criteria

5 Survey of the current situation of the natural environment and social environment

6 Investigation and evaluation of current status of pollution sources in evaluation areas

6.1 Survey focus

6.2 Survey content

6.3 Analysis of pollution sources

7 Environmental quality status survey and evaluation

7.1 Survey and evaluation of current environmental air quality

7.2 Survey and evaluation of surface water quality status

7.3 Investigation and evaluation of soil status

7.4 Survey and evaluation of groundwater status

7.5 Investigation and evaluation of ecological status

8 Engineering Analysis

8.1 Engineering Analysis Highlights

8.2 Basic requirements for engineering analysis

Foreword

To implement the "Environmental Impact Assessment Law of the People's Republic of China" and the "Regulations on Environmental Protection Management of Construction Projects", protect the environment, regulate and Guide the environmental impact assessment of pesticide construction projects and formulate this standard.

This standard specifies the general principles, contents and methods of environmental impact assessment of pesticide construction projects.

Appendix A, Appendix D and Appendix E of this standard are normative appendices, and Appendix B, Appendix C and Appendix F are informative appendices.

This standard was first published.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. Environmental Engineering Evaluation Center of the Ministry of Environmental Protection, Yilm Environmental Resources Management Consulting (Shanghai) Co., Ltd.

Environmental Development Center of the Ministry of Environmental Protection, Shanghai Research Institute of Chemical Industry, Shenyang Research Institute of Chemical Industry.

This standard was approved by the Ministry of Environmental Protection on September 6, 2010.

This standard has been implemented since January 1, 2011.

This standard is explained by the Ministry of Environmental Protection.

Technical Guidelines for Environmental Impact Assessment Pesticide Construction Project

1 Scope of application

This standard specifies the general principles, contents and methods for environmental impact assessment of pesticide (original drugs, preparations and intermediates) construction projects.

This standard applies to the environmental impact assessment of all new pesticide construction, reconstruction and expansion projects in China; environmental impact assessment of pesticide regional planning can refer to the implementation.

2 Normative references

The contents of this standard refer to the following documents or their terms. For undated references, the valid version applies to this standard.

GB 5085 Hazardous Waste Identification Standard GB 18484 Hazardous Waste Incineration Pollution Control Standard HJ/T 2.1 Technical Guidelines for Environmental Impact Assessment HJ 2.2 Technical Guidelines for Environmental Impact Assessment Atmospheric Environment HJ/T 2.3 Technical Guidelines for Environmental Impact Assessment Surface Water Environment HJ 2.4 Environmental Impact Assessment Technical Guidelines Acoustic Environment HJ/T 164 Technical Specifications for Groundwater Environmental Monitoring HJ/T 166 Technical Specifications for Soil Environmental Monitoring HJ/T 169 Technical Guidelines for Environmental Risk

Assessment of Construction Projects HJ/T 176 Technical Specifications for Construction of Hazardous Waste Centralized Incineration Disposal Project

3 Terms and definitions

The following terms and definitions apply to this standard.

Pesticide intermediate Refers to intermediates mainly used in the synthesis of pesticides.

Reaction conversion rate Indicates the extent (depth) at which a chemical reaction proceeds, that is, the percentage of key components participating in the reaction. Reaction conversion rate equal to a certain reactant the ratio of the amount of conversion to the initial amount of the reactant.

Product receipt rate Refers to the ratio of the amount of key components consumed in the production of the product to the starting amount of the key component.

Characteristic pollutant Refers to the special pollutants except the conventional pollutants discharged from the construction project, including the characteristic pollutants and pollution in the region related to the evaluation project.

Contaminants that have become more serious or have a tendency to increase pollution may cause potential pollution or affect surrounding sensitive protection targets after implementation.

Contaminants such as pesticides and their isomers.

Pesticide category

Refers to insecticides, acaricides, fungicides, herbicides, plant growth regulators, rodenticides, and the like.

Environmental toxicology Refers to the toxic effects of pesticides on non-target organisms such as birds, fish, leeches, algae, bees, and silkworms.

Environmental behavior Refers to adsorption, mobility, volatility, photodegradation, hydrolysis, soil degradation.

4.1 General provisions

The environmental assessment of pesticide construction projects implements the current national and local environmental protection standards in principle, and this standard addresses the environmental impact of pesticide construction projects.

If the evaluation request proposes new requirements, the work shall be carried out in accordance with the requirements of this standard.

4.2 Environmental Impact Identification

4.2.1

In the construction time of pesticide projects, the identification of influencing factors includes the construction period (construction period), operation period (production and operation), and service.

After the expiration of the business period (the production company will continue to have an impact after the end of its useful life).

4.2.2

Pesticide construction project impact object identification includes natural environment, ecological environment and social environment elements; element identification should include environmental space Gas, surface water, groundwater, soil, land and aquatic organisms, fishery resources, agricultural production, major protected areas, etc.

4.2.3

On the basis of investigating regional environmental characteristics and analyzing characteristic pollutants of pesticide construction projects, it should focus on high toxicity and environmental impact.

The characteristic pollutants are identified for environmental impact, and attention is paid to the long-term cumulative impact of pesticide construction projects on the environment.

4.2.4

Environmental impact identification and its expression can be based on list, matrix and other methods. The matrix identification table is shown in Appendix A and can be built according to pesticides.

Set the project characteristics and regional environmental characteristics to adjust the content in the identification table.

4.3 Determination of evaluation factors

4.3.1

According to the characteristics of the project, identify the pollution factors of the pesticide construction project; combined with the regional environmental characteristics, determine the evaluation factors according to the environmental factors.

4.3.2

Any one of the following basic principles shall be used as an evaluation factor.

- a) Limit emissions in national or local regulations and standards;
- b) control of total national or local pollutant emissions;