



Ministry of the Environment, Japan
環境省

Instructions for Power Point of Air pollution Control Technology

- **Thermal Power Plant**
- **Glass Manufacturing Industry**
- **Steel Industry**
- **Fertilizer Manufacturing Industry**

March 2005

**Supervised by Environmental Cooperation Office, Global Environment Bureau,
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Preface

Recently, air pollution has become a serious problem in developing countries with a background of rapid urbanization and industrialization. Technologies for measuring and reducing pollutants at their sources have not been prevailed widely in these developing countries, making the implementation of effective air pollution control measures difficult.

Japan itself experienced extremely severe industrial pollution in its period of rapid economical growth, but has achieved remarkable results in air pollution control through the effort of both government and industry.

Much of the know-how regarding atmospheric environmental conservation measures developed through the course of this achievement is expected to be useful for developing countries.

In the 1995 fiscal year, therefore, Ministry of the Environment, Government of Japan, started preparing countermeasures manual to meet the needs of developing countries for each type of major industry, to disseminate air pollution control measures. In 1997, technical manuals for thermal power generation industry and iron and steel industry are prepared. In 2001, technical manuals for glass manufacturing industry and fertilizer manufacturing industry are prepared.

In 2005, Overseas Environmental Cooperation Center, Japan was entrusted by Ministry of the Environment to prepare the electronic slides (power point) as teaching materials in order to visualize the essentials of the subject matters of above four technical manuals under the examinations of the committee for air pollution control technology, which reviewed the digested information and these formation.

I will be glad if these slides, which are based on experience with measures concerning industrial air pollution control in Japan, prove of some use to people in countries involved in struggling with the same issues and contribute to preserving the global environment. Finally, I greatly appreciate every committee member and an editor of power points for air pollution control technology.

March 2005

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Sources of Data

The slides by power point are prepared based on the following manuals.

1. **Thermal Power Plants**

"Air Pollution Control Measure Technology in Thermal Power Plant, Global Environment Centre Foundation, March 1997" under the supervision by Air Quality Management Division, Environment management Bureau, Ministry of the Environment, Government of Japan

2. **Glass Manufacturing Industry**

"Technical Manual for Air Pollution Control – Glass Manufacturing Industry- EX Corporation , March 2001" under the supervision by Air Quality Management Division, Environment management Bureau, Ministry of the Environment

3. **Steel Industry**

"Air Pollution Control Measure Technology in Steel Industry, Kitakyushu International Techno-cooperative Association, March 1997 " under the supervision by Air Quality Management Division, Environment management Bureau, Ministry of the Environment, Government of Japan

4. **Fertilizer Manufacturing Industry**The manual is not available in English.

開発途上国の大気汚染問題に係わる固定発生源対策マニュアル、鉄鋼業編、平成13年3月、財団法人北九州国際技術協力協会(環境省環境管理局大気環境課監修)

("Technical Manual for Air Pollution Control – Fertilizer Manufacturing Industry, Kitakyushu International Techno-cooperative Association, March 2001 " , under the supervision by Air Quality Management Division, Environment management Bureau, Ministry of the Environment, Government)

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