Building Environment-Friendly Towns

JFE possesses the technologies and know-how to provide total solutions for the many problems now confronting the global and regional environment. By applying the combined technical capabilities developed in its steel and engineering businesses, JFE is contributing to a recycling-based, clean energy society.

Providing Total Solutions for a Better Environment

JFE is leading the effort to build environment-friendly cities and towns in cooperation with the government, universities. Through its networks with society at all levels, JFE provides total solutions for a better environment.

Building Eco-Towns

A representative example of JFE’s comprehensive environmental solutions is the effort to build environment-friendly towns in cooperation with local government. Based on its wealth of steel manufacturing and engineering technology and know-how, JFE is actively involved in Eco-Town building from the planning stage and is encouraging environmental coexistence through cooperation with industry, the government, and universities.

Bingo Eco-Town Concept (Hiroshima Eco-Town Area)

In Hiroshima’s Bingo Area, the Fukuyama Waste Recycling Power Generation Project is scheduled for startup in 2004 and will generate power by melting RDF produced from municipal waste. JFE is responsible for the construction, operation, and maintenance of the high-efficiency power generation facility and melting furnace. With a treatment capacity of approximately 310 tons/day and output of 20,000kW, this plant will have the world’s largest single furnace capacity and will be a model case for wide-area recycling of municipal waste.

Keihin Coastal Area Environmental City Concept (Kawasaki Eco-Town)

Since designation as an Eco-Town in 1997, Kawasaki has created a Zero Emissions Industrial Park and a variety of recycling businesses. JFE has recycling facilities for plastics, appliances, and other materials which are recycled in steel production. Because the Keihin Coastal Area includes basic materials, petrochemicals, energy, and other industries, it is creating a recycling system for heterogeneous industries. Cooperating with local government and other industries in its environmental solution activities, JFE is playing a leading role in revitalizing Kawasaki as an environment-friendly city.

Soga Ecology Park Concept (Chiba Eco-Town)

Chiba City has created a group of recycling facilities for waste paper and timber, end-of-life vehicles and other waste collecting in the region in the 4th Soga Designated Factories District. The area also has environmental education facilities. As part of this urban-type environmental base, JFE’s recycling businesses include the JFE THERMOSELEXS melter & melting plant, which recovers fuel gas from waste for use at JFE’s steelworks and the high-efficiency BIGJANAD-type biogas plant which recovers biogas from organic wastes.

Contributing through Clean Electric Power and Other Eco-Energy Solutions

JFE intends to play a leading role in the “clean energy society” of the 21st century by providing total solutions encompassing both energy and the environment. The JFE Group has a wealth of technology and know-how related to the environment, electric power, and energy, and is positioned to provide eco-energy solutions not available from any other company. JFE already has a high-efficiency power business which meets the needs of improved service in conventional power supply, and is commercializing new energy sources such as clean fuel, DME and fuel cell power generation to satisfy the growing need for clean energy and maximize its energy-related services.

‘Terminology’

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Projects for realizing the “Zero Emissions Concept” by utilizing waste from one industry as material in another field under a program created by the then-Ministry of International Trade and Industry (now METI) and Ministry of Health and Welfare in 1997.
**Building Environment-Friendly Towns**

JFE possesses the technologies and know-how to provide total solutions for the many problems currently confronting the global and regional environment. By applying the combined technical capabilities developed in its steel and engineering businesses, JFE is contributing to a recycling-based, clean energy society.

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**Soga Ecology Park Concept (Chiba Eco-Town)**

Chiba City has created a group of recycling facilities for waste paper and timber, end-of-life vehicles and other waste collecting in the region in the 40ha Soga Designated Facilities District. The area also has environmental education facilities. As part of this urban-type environmental base, JFE’s recycling businesses include the JFE THERMOSELECT gasifying & melting plant, which recovers fuel gas from waste for use at JFE’s steelworks and the high-efficiency BIGADAN-type biogas plant which recovers biogas from organic wastes.

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