

The Outline of Poultry Litter Power Plant Project in Miyazaki Prefecture

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Abstract

Nishinippon Environmental Energy Co., Inc. (NEECO) is a group company of Kyushu Electric Power Company Co., Inc. in Japan. NEECO aims to be an integrated energy industry in harmony with humans and the earth, while pursuing a better environment where people and nature coexist.

On the basis of above our policy, NEECO is developing various projects such as DHC (district heating and cooling) system services, dispersed power supply services and recycle-related services. Especially, promoting recycle-related services, we choose between material recycle and thermal recycle by the nature of objects.

This time, NEECO reports the outline of "Poultry Litter Power Plant Project" that we are preceding in Kawaminami-Town of Miyazaki Prefecture in Japan, as an example of thermal recycle projects.

Miyazaki is one of Japan's main poultry farming regions. Over 300 thousand tons of poultry litter per year is produced in Miyazaki Prefecture. Most of the poultry litter is fed back to agricultural fields etc. As a result, the odor problem and the contamination of water and soils have broken out in the area. In addition, the Japanese law relating to animal waste took effect in 2000. Stockbreeding farmers have had an obligation to take measure to treat properly animal waste before November 2004.

In May 2004, NEECO has established a project company "Miyazaki Biomass Recycle Co., Inc." in cooperation with broiler companies and farmers to build and operate the poultry litter power plant. The plant will produce 11,000kW of electricity and the ash will be sold as fertilizer.

We, NEECO, believe that this project would not only contribute to animal husbandry development and resolution of existing environmental issues such as odor problem, contamination of water and soils in Miyazaki Prefecture, but also become a typical business model regarding biomass energy utilization in Japan.