

Demonstration research on low-cost sludge reduction technology using a biomass boiler to contribute toward widespread adoption of sludge treatment in small- and medium scale plants

Researchers

Co-development association which consists of Tsukishima Kikai Co., Ltd, Takasago Thermal Engineering Co., Ltd, , Nippon Steel Cement Co., Ltd, Muroran-city Water Services Department

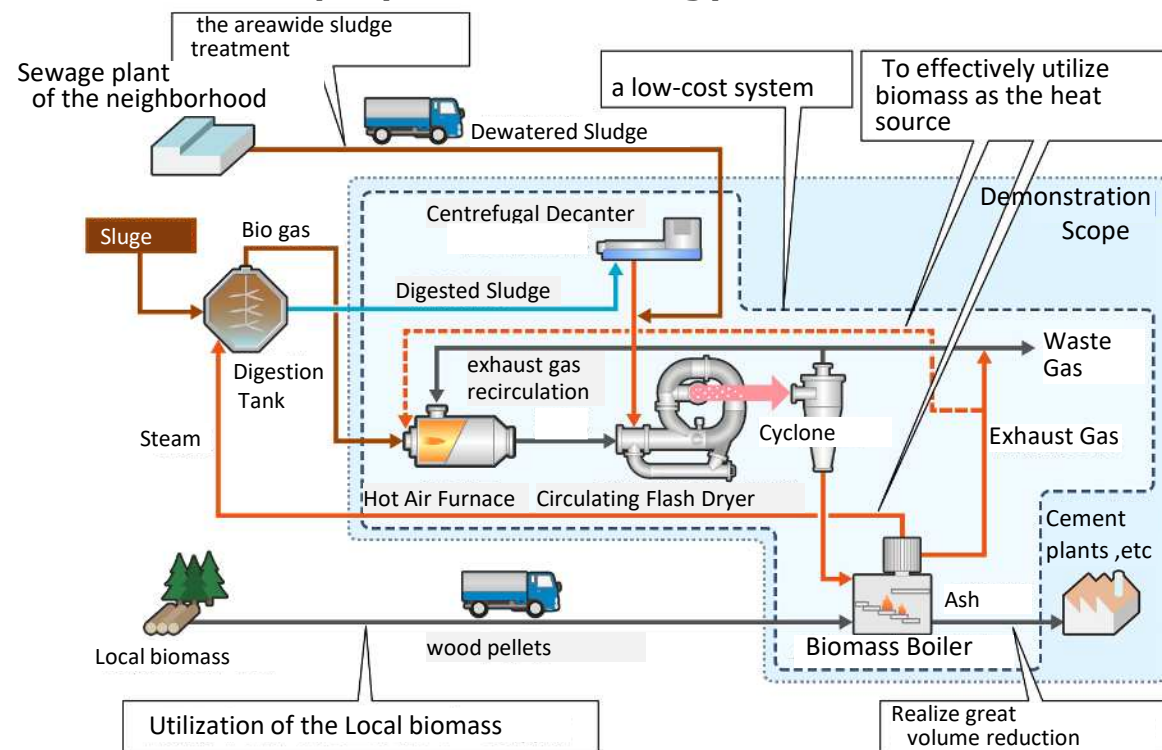
Researching Field

Rantou sewage treatment plant, Muroran-city, Hokkaido

Project Overview

This study is to establish a system that combines a dewatering and drying system and a biomass boiler that to promote effective utilization and ensure sludge treatment in the wide sector comprising small- and medium-scale plants, and then to realize reduction of sludge treatment cost and promotion of effective use.

Overview of the proposed technology



The characteristics of the demonstration technology

- That construction costs can be reduced through using general purpose packaging equipment
- the energy present in sewage sludge can be effectively used in the treatment plant to contribute toward the reduction in fossil fuels use.