Non-Point Source Pollutants Purification System

Ministry of the Environment

Lianyungang City, China

Consortium

CTI Engineering co, TBR, Masaki ENVEC, SIDRI

Background

- Non-point source pollutants by wastewater of household, agriculture and livestock in rural area defiles a purified water at sluice gate at downriver during flooding
- There are issues of expense because the collection cost of wastewater by scattered houses at a village and the maintenance cost by each farm households is high

Site

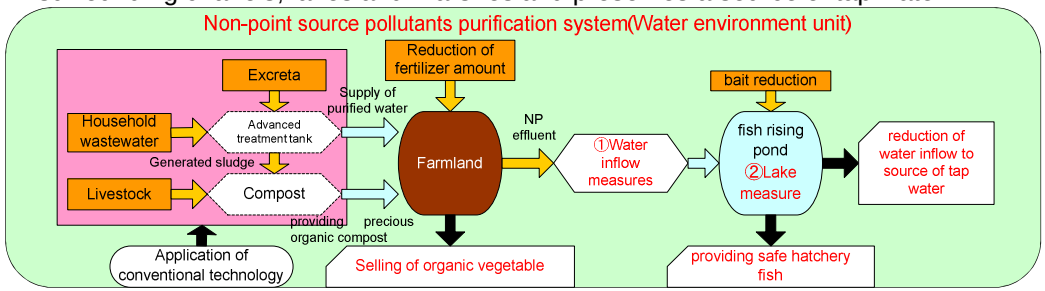
Lianyungang city , Jiangsu, China

Google Map

Polluted condition of watercourse

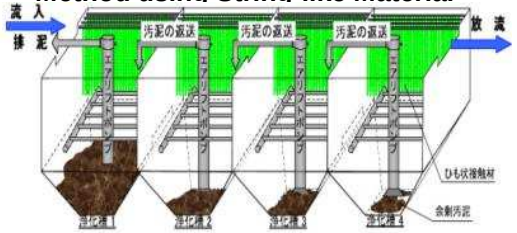
Project Outline

- The non-point source pollutants purification system, which is established for improving the source of pollutions by human waste, livestock excreta, household wastewater and agricultural field impact in rural areas, contributes water environment improvement surrounding chanels, lakes and marshes and preserves a source of tap water

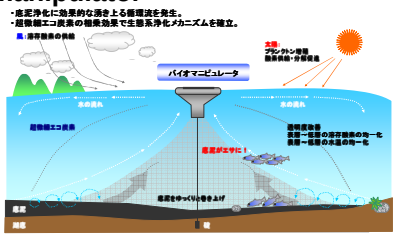


Techniques Outline

①Watercourse：Contact Oxidation Method using String-like Material

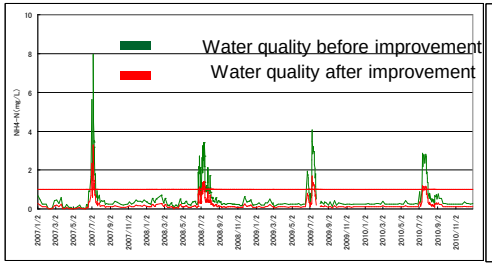


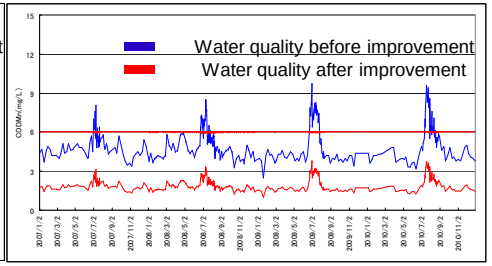
②Lake：Productive Biological manipulator



Efficiency of Water Environment Restoration

- In the case of introducing the non-point source pollutants purification system, the water intake control can be deregulated





Project Efficiency

- Having an effect on water quality in river basins
- Taking profitability by ensuring safe water
- Taking profitability by safe farm production and becoming well management
- Being able to expand the project to huge sewage business⇒there has been some communities' requests to have the presentation of this project
- Innovating the advanced system including purification for wastewater by livestock products

※Contact for this project
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