

Model Project for Improvement of Water Environment in Asia

Business Overview
And
Introduction of Japanese Technology

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Ministry of the Environment
Government of Japan



Model Project for Improvement of Water Environment in Asia

- To support the improvement of water environment in Asia-Pacific by disseminating appropriate water treatment and related technologies by Japanese private sectors.

Public inviting of project proposals

MOEJ decides approved projects and gives financial support.

First year

Feasibility Study

Second year

Pilot Project

Third year

Developing Business Models

- Supporting the development of various types of business models in the Asia-Pacific region



Local seminar and site visit (February 2020, Fiji)

Technology	Advanced Johkasou System
Location	Luang Prabang City, Luang Prabang Province, Lao People's Democratic Republic
Implementer	Nasucreate Co., Ltd.

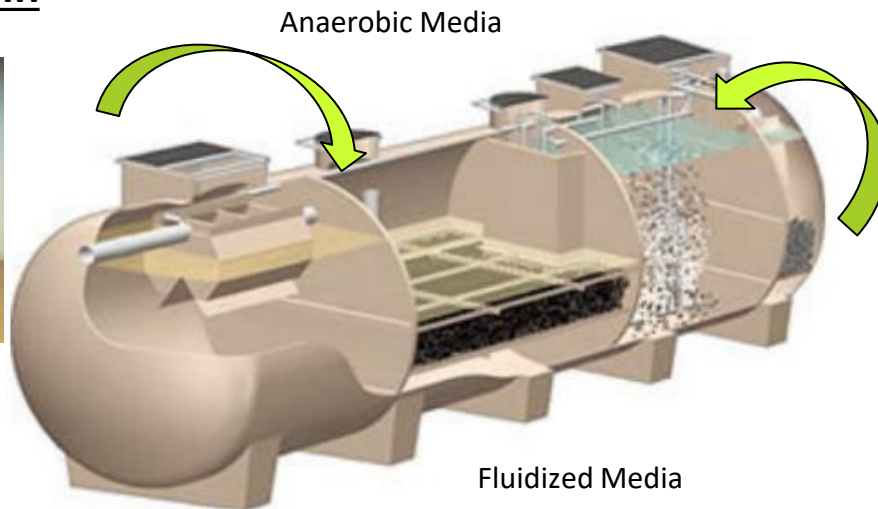
Outline of the technology

➤ **Advanced Johkasou system**

Johkasou, whose technology was developed by the Japanese manufacturer, complies with ammonia regulations in ASEAN countries.

➤ **Space-saving and energy-saving design**

➤ **Durable and easy to maintain**



Background and Challenge

Water pollution caused by untreated wastewater is becoming serious in Laos, and the **introduction of strict effluent standards** (BOD 20 mg/L or less) has made it urgent to **improve wastewater treatment facilities**.

Expected results

- **Improvement of water pollution**
- **Compliance with effluent standards and ammonia regulations**
- **Reduced operating costs and long-term stable operation**

More information



Technology	Membrane treatment technology
Location	Northern area of Vietnam
Implementer	Global Environment Centre Foundation(GEC)

Background and Challenge

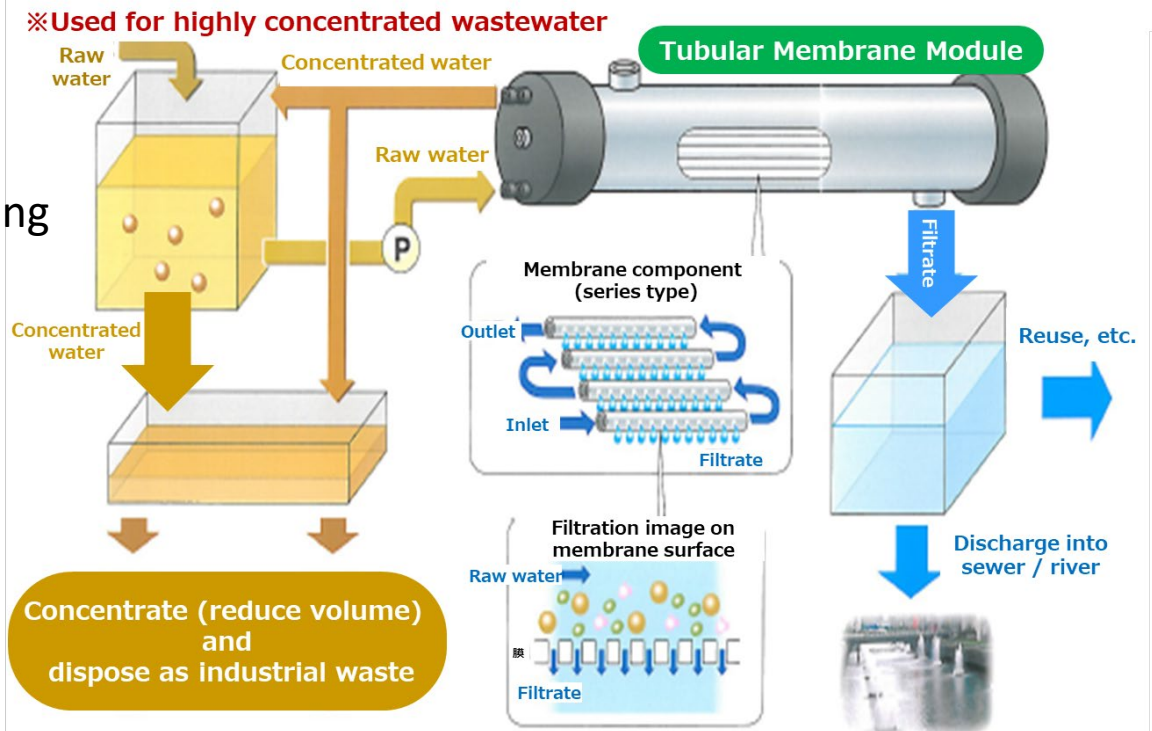
In Vietnam, oil-containing wastewater discharged from metal processing plants **does not meet effluent standards for COD**, and environmental pollution is progressing. **Appropriate treatment technology is required.**

Outline of the technology

- **A tubular membrane module**
Efficient separation of oil-containing wastewater and significant reduction of wastewater volume.
- **Easy maintenance**
- **Reuse of Treated Water**

Expected results

- **Adaptation to environmental regulations**
- **Cost reduction**
- **Reduced maintenance burden**



More information

https://www.env.go.jp/water/asia_business/pdf/R4_gec_en.pdf

