

Water Quality Improvement System "Waclean"

"Waclean system" is a system that injects Waclean (an **flocculant** that does not harm the organisms produced by blending natural ores) into dirty water such as ponds and rivers and sludge. It is a system that removes dirt by stirring and can continuously maintain water quality.



< Object >

- * **To remove** smelly sludge collected in the pond and the bottom of the river and its water **itself**
- * **To remove** Muddy water · Water containing heavy metal (Hexavalent chromium · lead · cadmium · cobalt · nickel · zinc · molybdenum · iron etc. etc) Arsenic · mercury is excluded
- * **To remove** green water generated by algal bloom

< Object >

Aggregation rate

Aggregation in a short time of 10 seconds to 2 minutes or less

When compared with the coagulant of "general packing agent" "polymer pack system", it coagulates and precipitates in a time of 1/30 to 1/100.

safety

It is a harmless mineral such as **the mineral** used for food processing, and the ingredients are blends of calcined gypsum, soda ash and others.

PH

It will be 0.5 to 1.0 ph neutral

Because "Waclean" is neutral, the treated water also approaches 0.5 to 1.0 ph neutrality

Deodorant effect

Significant reduction of putrid odor

It significantly reduces the odor generated from food processing wastewater and kitchen wastewater.

Processing equipment

Compact equipment allows implementation in a small space

It is possible to **be carried** by track.

Water quality preservation

heavy metals which is agglomerated **never** flow out again (effective use of sludge)

By combing Waclean with other technology "BAKTURE", better water puality are mainteained.

"Natural BAKTURE" that activates natural power is mixed,

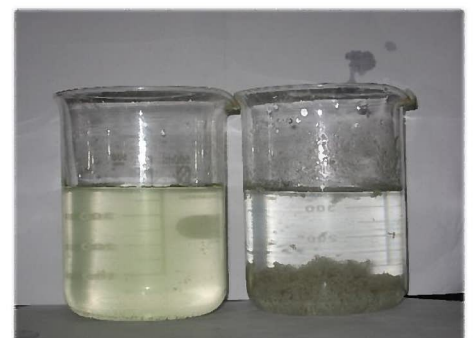
If it is blocked and submerged in the bottom of the water, it will become a hotbed of good fungus which purifies water, and the water quality environment with high natural resilience will be preserved.



【Water quality test】

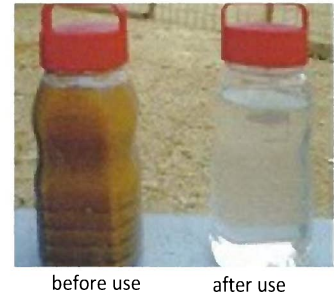
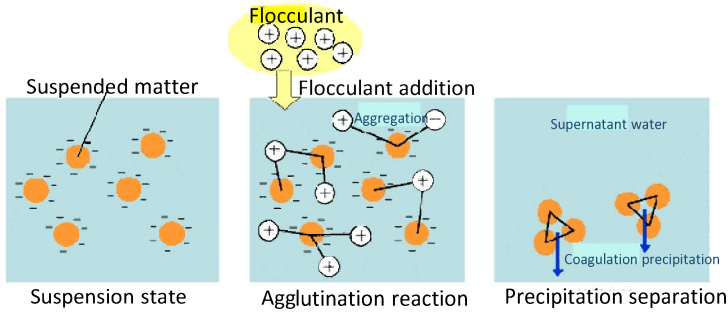
Weighing item	Before processing	After treatment
transparency	<1	>30
PH Hydrogen ion concentration	7.1	7.7
BOD Biological oxygen demand	5.7	4.1
COD Chemical oxygen consumption	770.0	5.7
SS Suspended suspension concentration	51,000.0	7.0
T-N Total nitrogen	35.0	2.6
T-P Total phosphorus	17.0	0.0

※Test results **in** our company, equipment



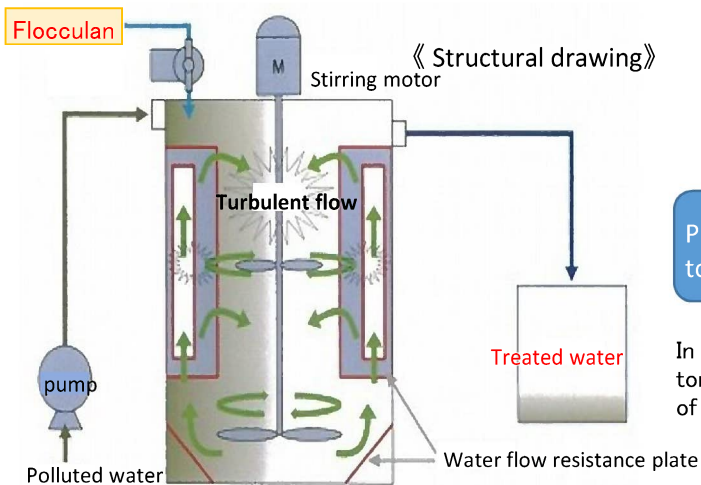
< Mechanism of aggregation >

- Quickly bind particles of pollutants → speed up sedimentation and simplify construction



- By using a special stirring device, the effect of flocculant is increased by 10 times

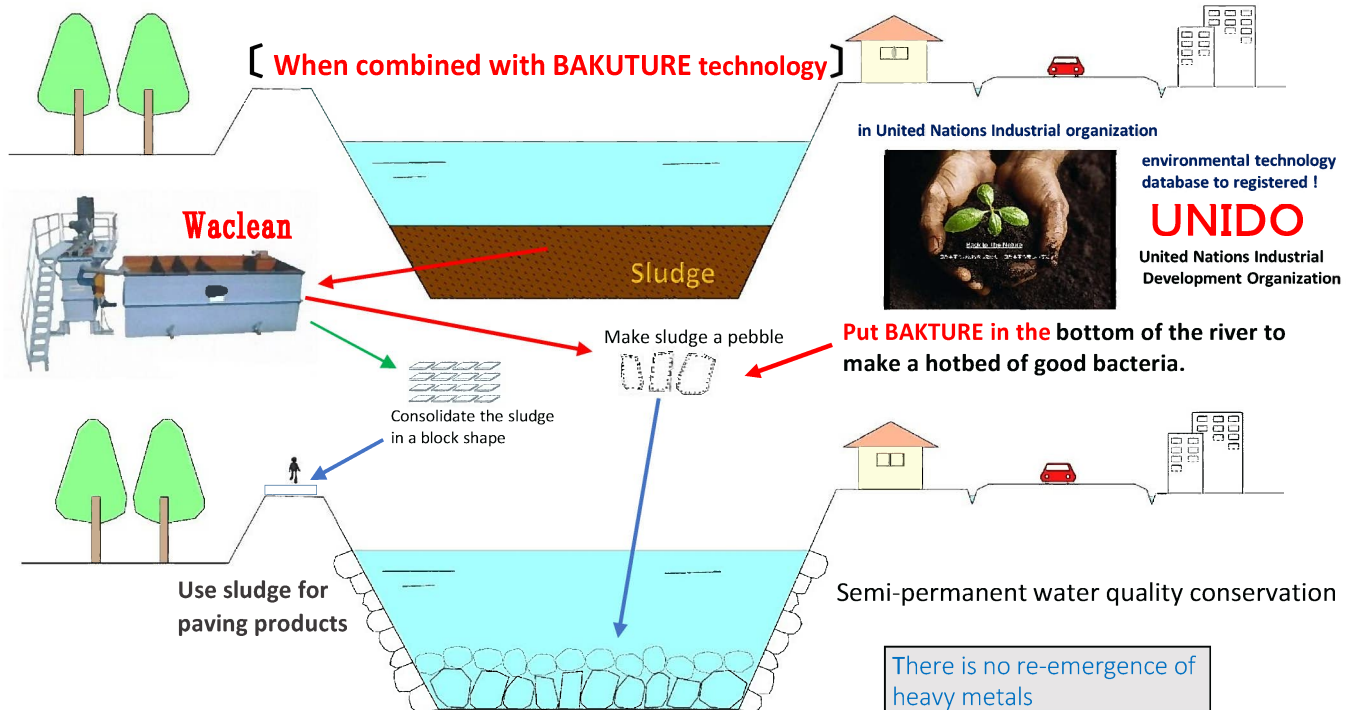
- Depending on the construction range, be equipped with capacity from 5 tons to 210 tons (1 hour)



《 Actual photo · 5 ton 》

Processing capacity 5 tons to 210 tons / hour

In the case of 210 tons, 7 settling tanks of 30 tons are required



We will make pebbles that will become a hotbed of microorganisms by sludge.

As above, we will consult with you as a consulting service in total

Responsible / Yoshikawa, Minagi



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