

ADVANCED BIO-TREATMENT

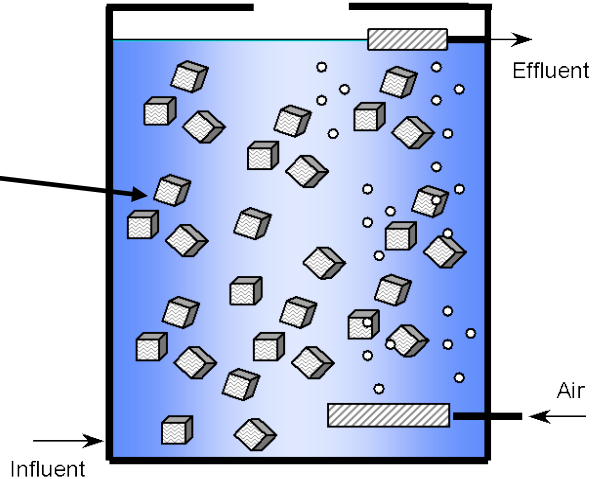
BIOLOGICAL NEW ENVIRONMENTAL TECHNOLOGY (BioNET®)

BioNET® reactor is filled with porous compressible carriers and offers a large surface area for interception of suspended solids and growth of microorganisms.

BioNET® shows great capabilities for removal of **ammonia nitrogen and residual/ refractory dissolved organic (COD)** from polluted water sources and wastewater.



PU foam Carriers – Highly porous for microorganism growth



Features

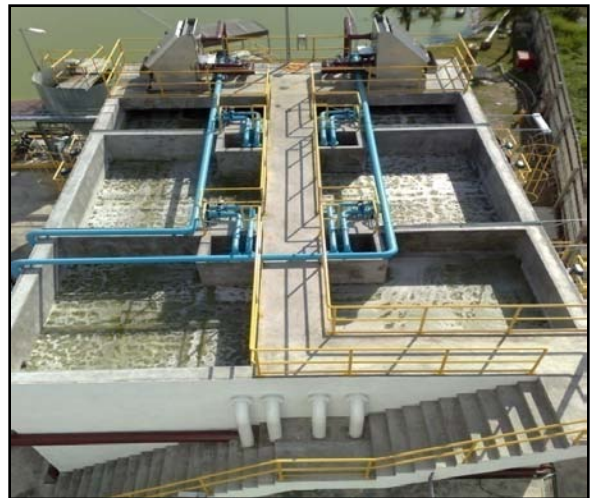
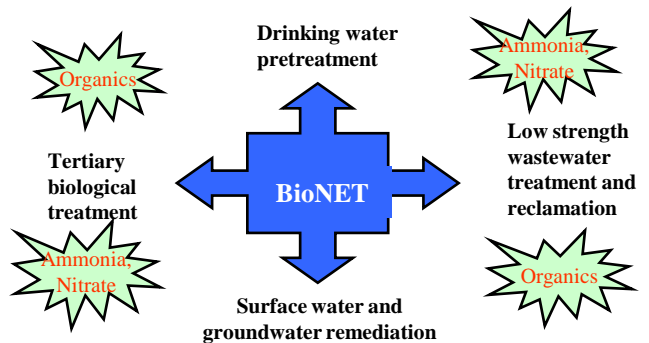
- Low space requirement
- Low operating cost – power, waste sludge and chemicals
- High capability of solid retaining
- Diversity of microbial populations
- Shorter hydraulic retention time
- High oxygen utilization efficiency
- Simple operation and maintenance
- Microorganism control

Application

- Treatment of low-strength wastewater as polisher
- Tertiary treatment without chemical and sludge (after secondary treatment)
- Pretreatment of raw water to remove ammonia and dissolved organics from contaminated water source
- Remediation of surface water and groundwater to remove ammonia and dissolved organics.

Patents

- US 6,682,653
- NL 1019528
- CN ZL01140206.7
- TW 206418



▲ BioNET reactor in rubber glove plant, Kedah