

Biological Aerated Filter (BAF) Process

What is BAF process?

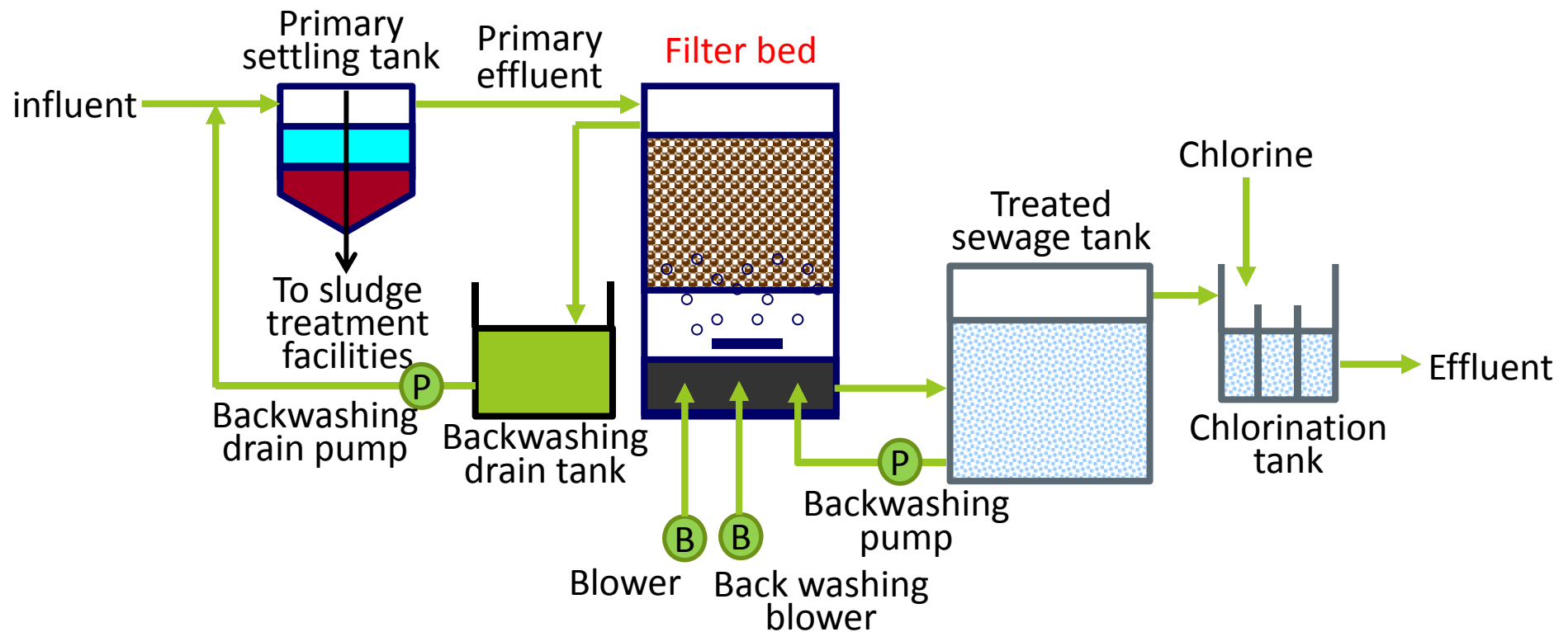
BAF process filtrates influent flowing from above by *a filter bed* (approx. 2m high) filled with *filter media of 2 to 5mm diameter*. While filtration, the filter bed is *aerated* from its lower part to *accelerate* the *decomposition of organic matter* and *nitrification* of ammonia in influent by aerobic microorganisms adhering to media surface.

Features of BAF process

- ① Compact facility (Small footprint)
- ② Good adaptability to seasonal flow fluctuation by filter bed divided into small parts
- ③ Enable nitrification of ammonia by reducing load of filter bed

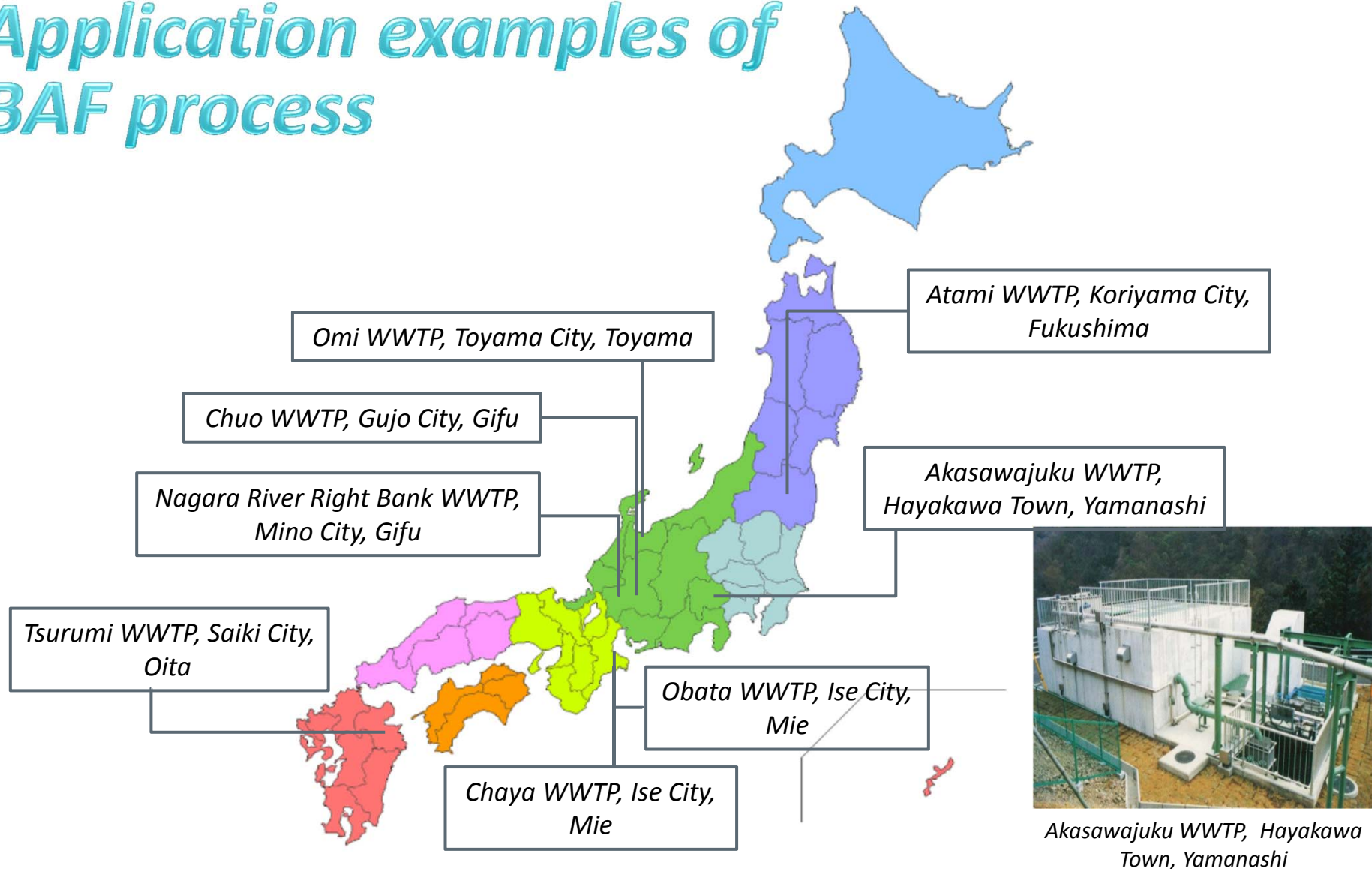
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Flow diagram of BAF process



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Application examples of BAF process



And 17 others