

Struggling to meet your Total Nitrogen permit?

Maybe the causes are...

Insufficient anoxic volume

High DO in internal recycle

N & P in return stream from digester

Low influent carbon

and lead to...

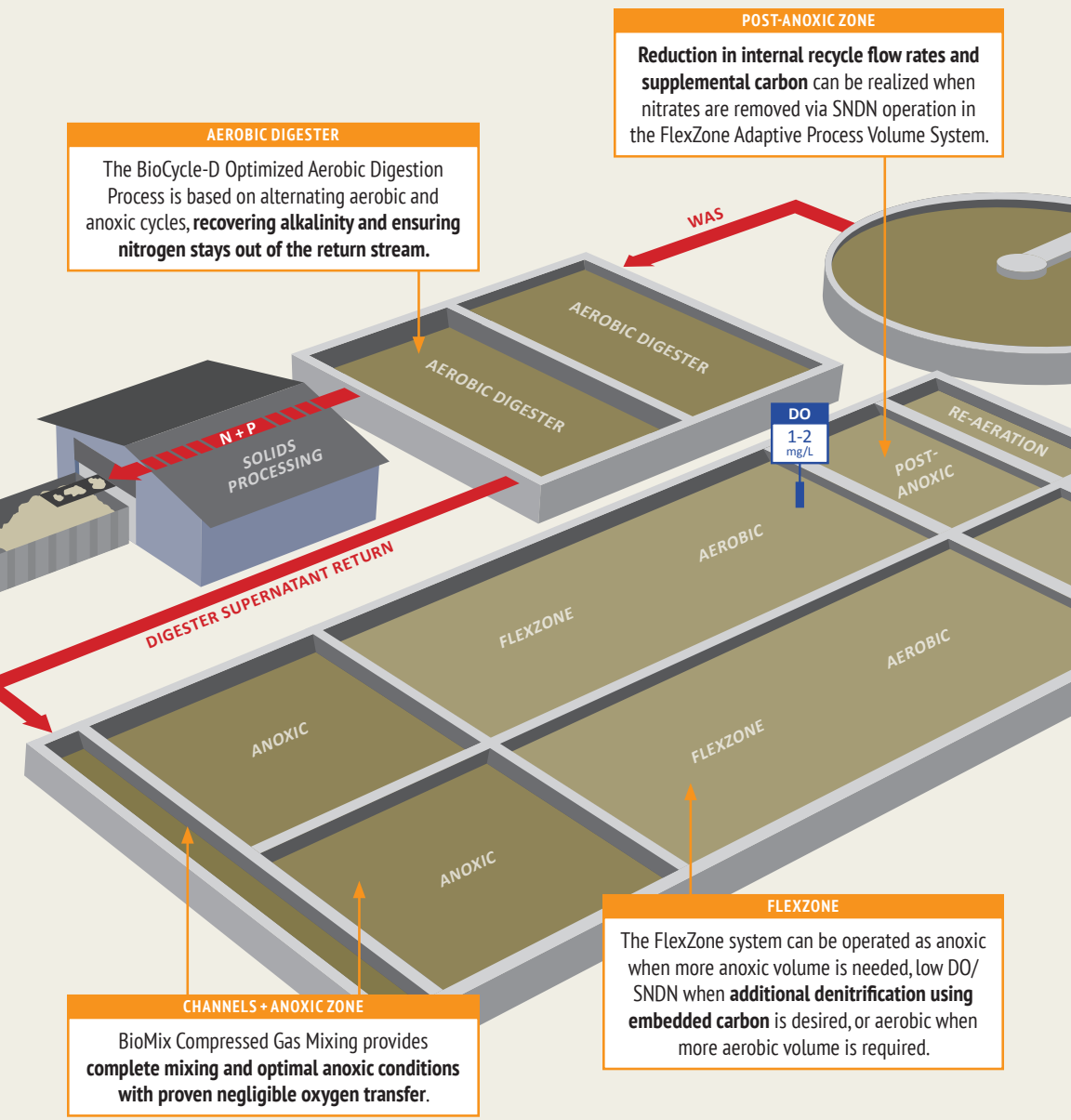
Carbon addition

Alkalinity consumption

Permit violations

EnviroMix has a solution for you!

When struggling with total nitrogen limits, **it is important to consider the impacts of different processes** and choose a holistic approach that integrates solutions that work together.

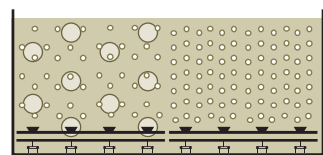
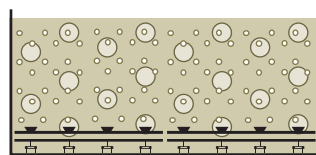
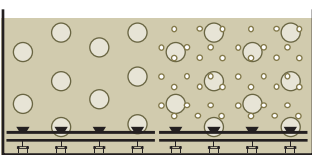


The FlexZone system **automatically adjusts configurations for changing conditions.**

Startup Conditions
Off-season Flows
Warm Temperatures
Middle of the Night

◀ Load Changes ▶
◀ Seasonal Fluctuations ▶
◀ Temperature Changes ▶
◀ Diurnal Variations ▶

20-Year Design
Tourist Season
Cold Temperatures
Morning Peak



Mixing Bubbles (large circles) Aeration Bubbles (small circles)

Contact sales@enviro-mix.com to discuss how you can optimize your activated sludge process with the FlexZone system.