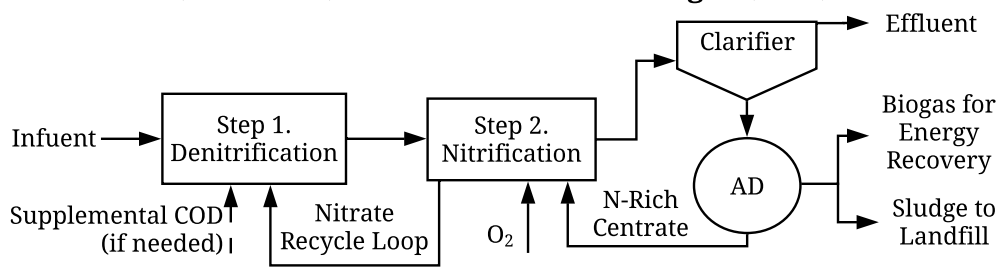
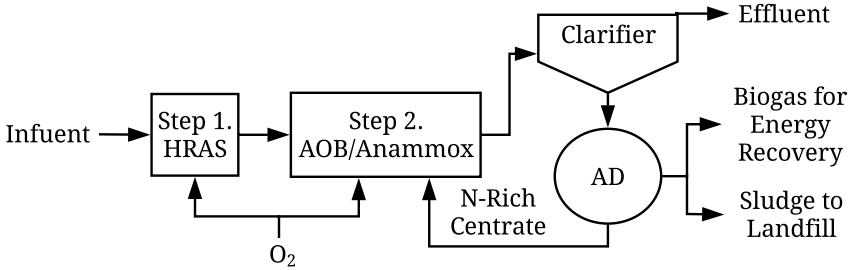


## Scenario A (Base Case): Modified Ludzak Ettinger (MLE)



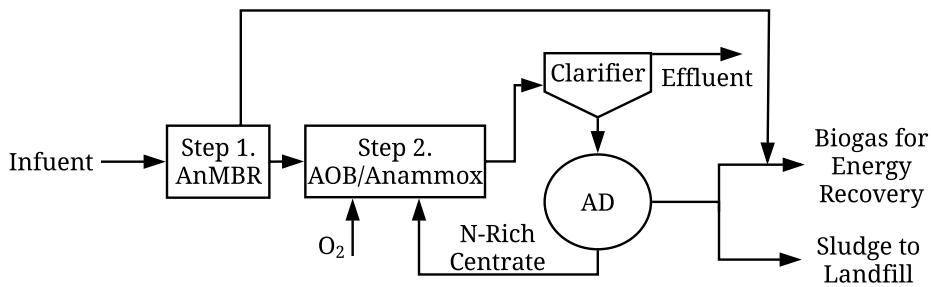
## Scenario B: HRAS/CANON Anammox



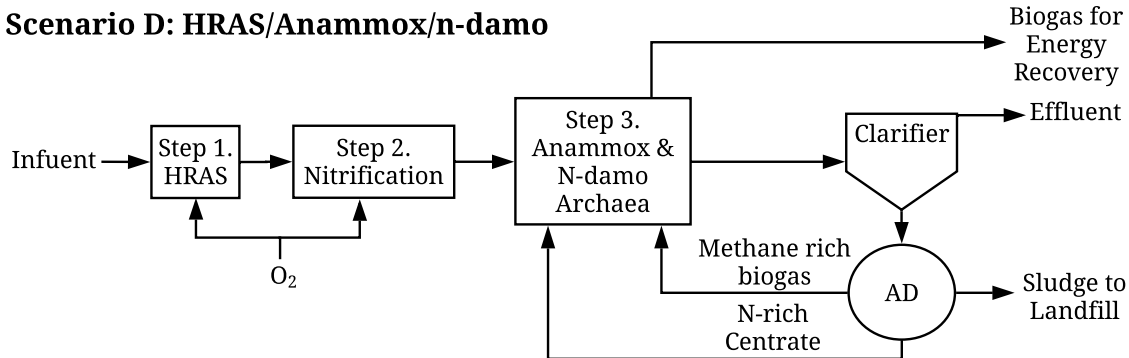
## Abbreviations:

**AD** - Anaerobic Sludge Digester  
**HRAS** - High Rate Activated Sludge  
**AOB** - Ammonium Oxidizing Bacteria  
**Anammox** - Anaerobic Ammonia Oxidizing Bacteria  
**AnMBR** - Anaerobic Membrane Bioreactor Digester  
**N-damo** - Nitrate-driven denitrifying anaerobic methane oxidizing archaea

## Scenario C: AnMBR/Anammox



## Scenario D: HRAS/Anammox/n-damo



## Scenario E: AnMBR/Anammox/n-damo

