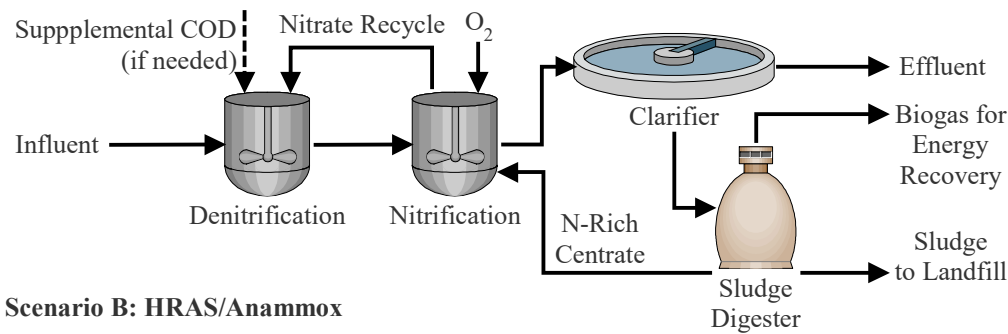
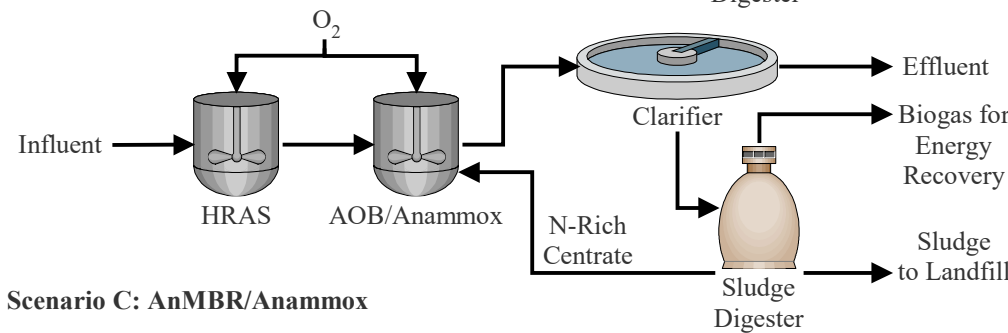


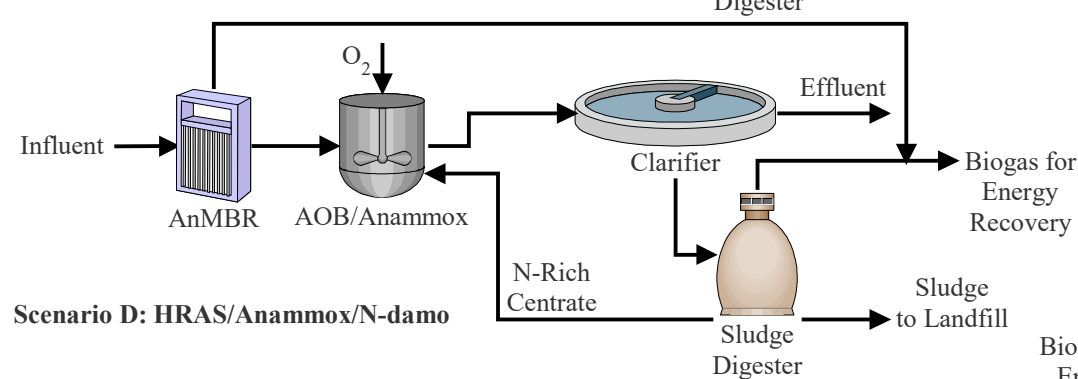
Scenario A (Base Case): Modified Ludzak Ettinger (MLE)



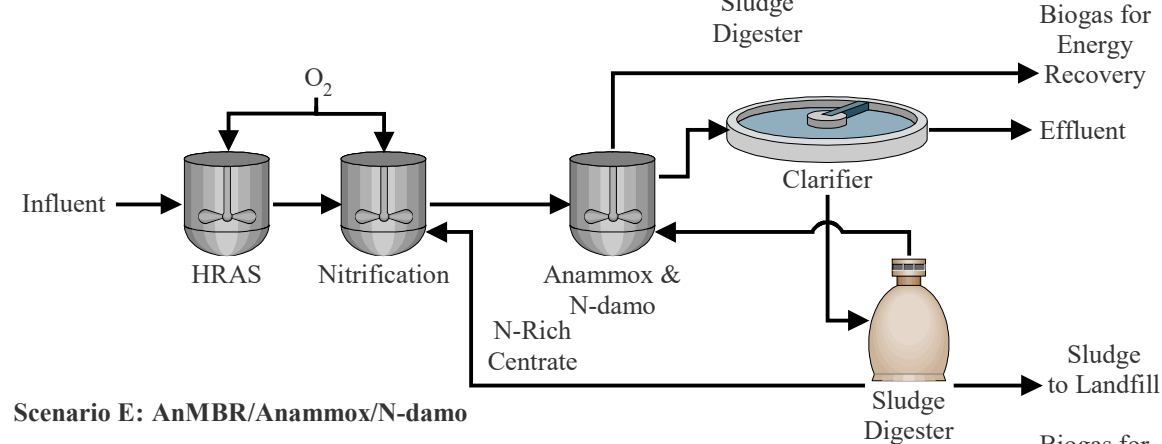
Scenario B: HRAS/Anammox



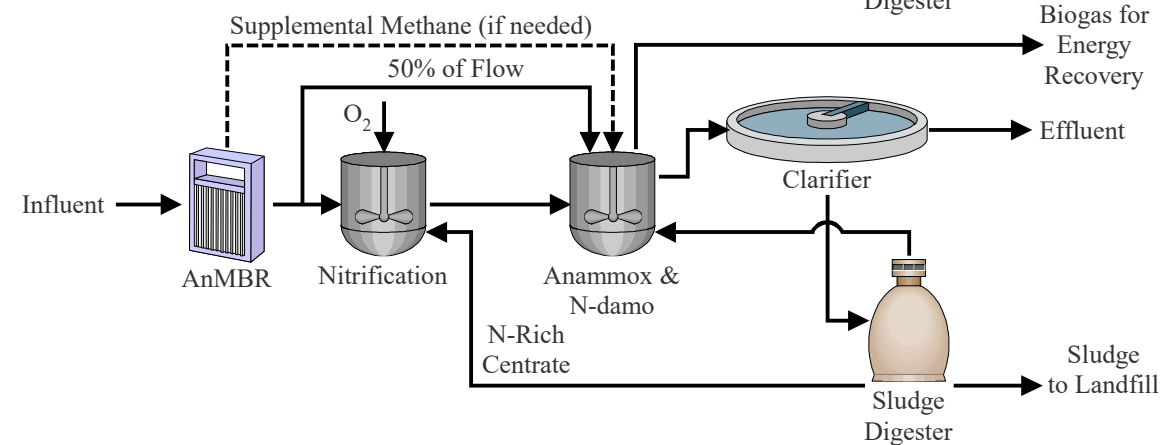
Scenario C: AnMBR/Anammox



Scenario D: HRAS/Anammox/N-damo



Scenario E: AnMBR/Anammox/N-damo



Abbreviations:

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