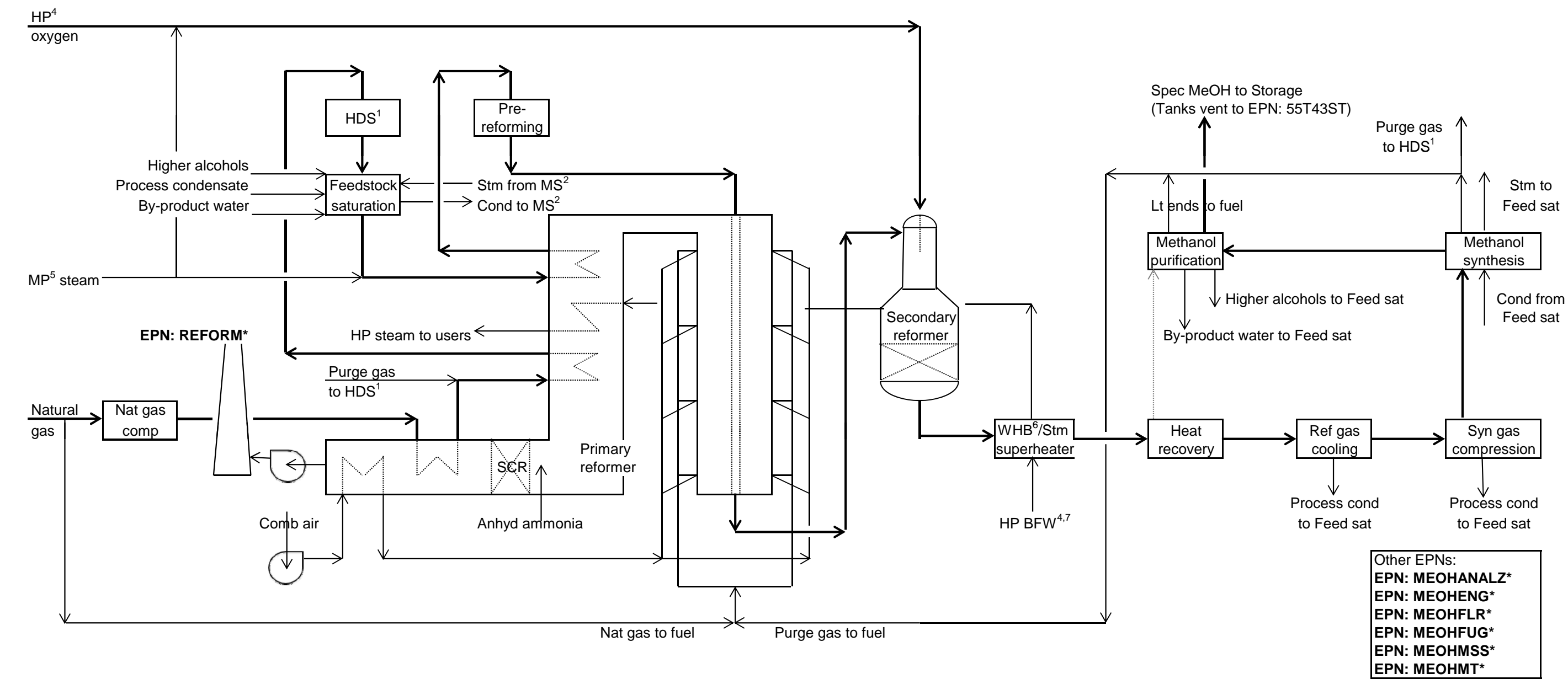


US EPA ARCHIVE DOCUMENT

Simplified process flow diagram (PFD)

Celanese Chemicals
Clear Lake Plant
New Methanol Plant



- Notes:
- (1) HDS = Sulfur removal via hydrogenation/zinc oxide absorption
 - (2) MS = Methanol synthesis
 - (3) EPNs with * are sources of GHG. All other EPNs are non-GHG emission sources.
 - (4) HP = High Pressure
 - (5) MP = Medium Pressure
 - (6) WHB = Waste Heat Boiler
 - (7) BFW = Boiler Feed Water