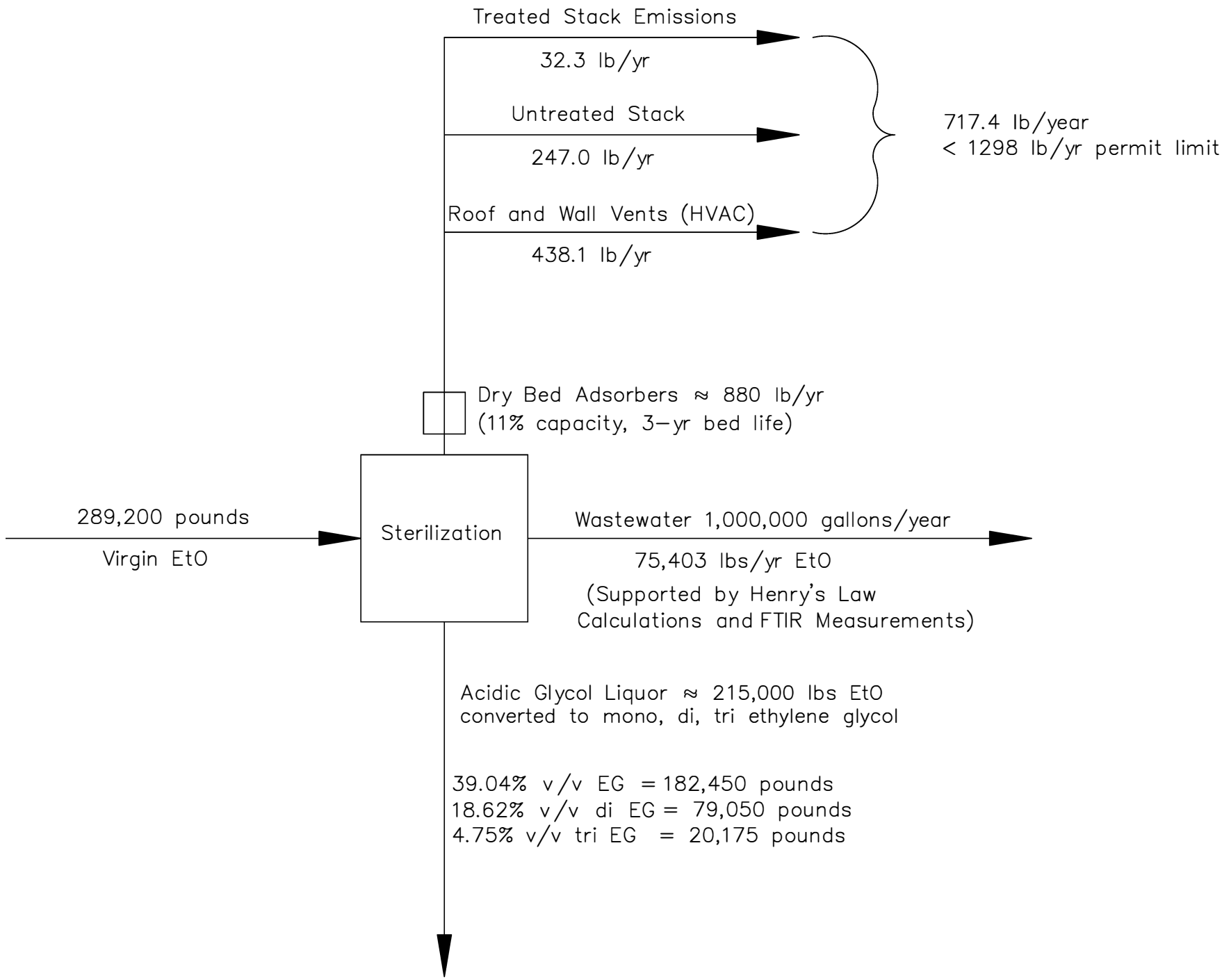
Treated Stack Emissions
32.3 lb/yr
Untreated Stack
247.0 lb/yr
Roof and Wall Vents (HVAC)
438.1 lb/yr
717.4 lb/year
< 1298 lb/yr permit limit
Dry Bed Adsorbers ≈ 880 lb/yr
(11% capacity, 3-yr bed life)
289,200 pounds
Virgin EtO
Sterilization
Wastewater 1,000,000 gallons/year
75,403 lbs/yr EtO
(Supported by Henry's Law
Calculations and FTIR Measurements)
Acidic Glycol Liquor ≈ 215,000 lbs EtO
converted to mono, di, tri ethylene glycol
39.04% v/v EG = 182,450 pounds
18.62% v/v di EG = 79,050 pounds
4.75% v/v tri EG = 20,175 pounds