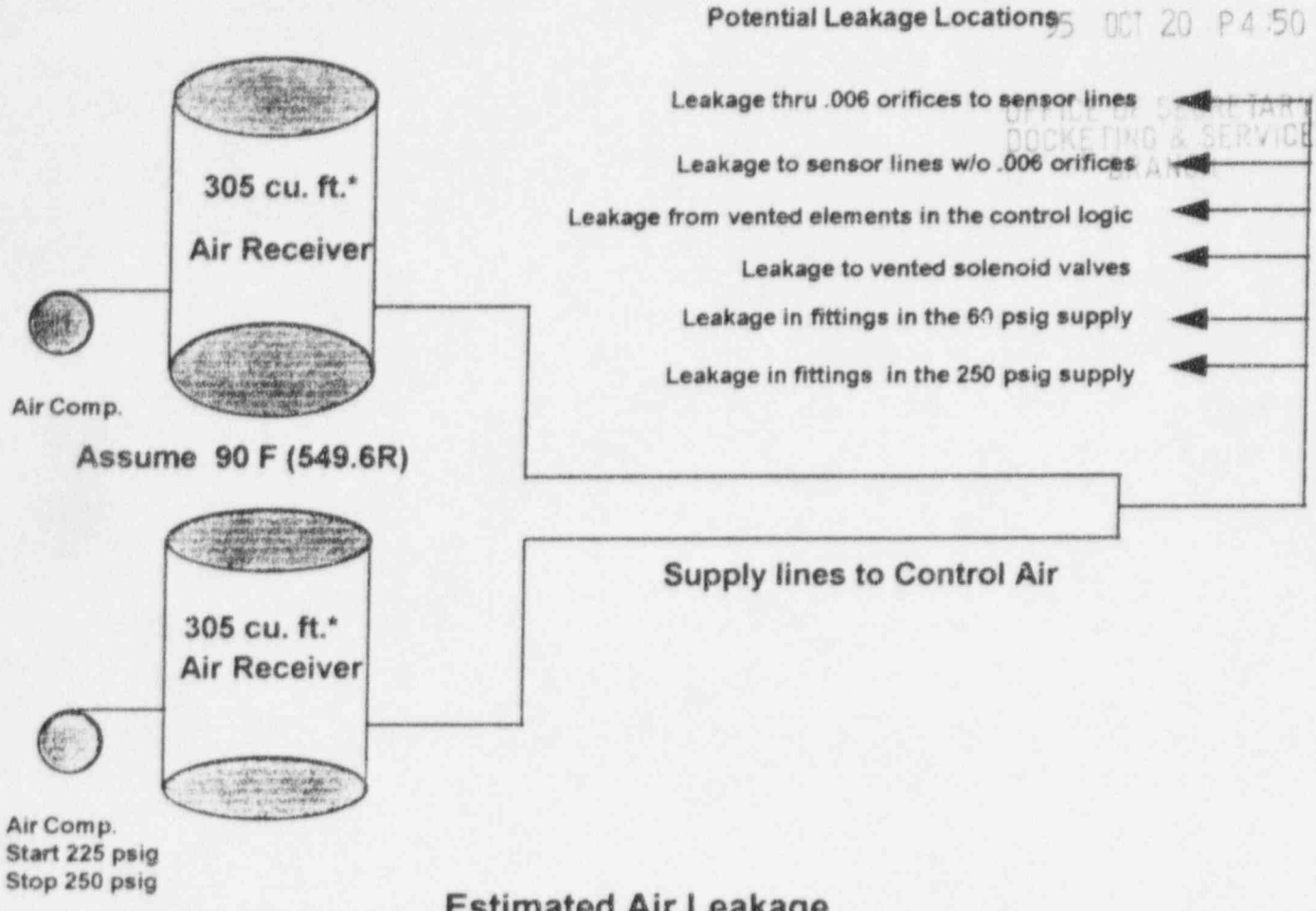
I-MOSBA-261 Int'v. Exh II-261

Estimate of DG Daily Air Leakage



Estimated Air Leakage

1 atm = 14.7 psia

225 psig = 239.7 psia = 16.3 atm. , 250 psig = 264.7 psia = 18.0 atm.

scf = standard cubic feet (at STP)

scf per tank @ 225 psig = (16.3 atm) x 305cu. ft.* x 491.6 R / 549.6 R = 4447 scf.

scf per tank @ 250 psig = (18 .0 atm) x 305cu. ft.* x 491.6R / 549.6 R = 4911 scf.

Volume added per cycle = 464 scf

Compressor capacity = 76 scfm*

Running time per cycle = 464 scf / 76 scfm = 6.1 minutes

Assume each compressor cycles on 1 time per 8 hour shift to make up for leakage:

This is 6 additions of 464 scf of air per day = 2784 scf / day

= 116 scf / hour

= 1.93 scf / minute

= .032 scf / second

* Data from FSAR Table 9.5.6-1 (Board Exh. #3)