



AIR SHAFT NO. 3 FANS

DIESEL--STAND-BY
 JEFFREY 8-HU-96 AERODYNE FAN IN NO. 7 BLADE POSITION
 DIRECT DRIVE WITH 665 H.P. DIESEL ENGINE POWER UNIT
 OPERATING AT A NOMINAL 900 R.P.M.

ELECTRIC--OPERATING
 JEFFREY 8-HU-96 AERODYNE FAN IN NO. 7 BLADE POSITION
 DIRECT DRIVE WITH 500 H.P. 2400 V. A.C. MOTOR
 OPERATING AT 80 AMPS. AND NOMINAL 900 R.P.M.
 EXHAUSTING 431,635 C.F.M. AT 67' W.G.
 INTAKE 270,470 C.F.M.
 TOP COPING ELEVATION - 1091.75'
 BOTTOM COAL ELEVATION - 570.33'
 DEPTH - 521.42'
 ENTRY HEIGHT - 6.3' AVG.
 ENTRY WIDTH - 16.0' AVG.

Elect Fan	Shaft No.	W.G.	Motor	Capacity	Speed
Before	7	6.3'	30 Amps	1,320	1,213 R.P.M.
After	7	6.3'	30 Amps	1,320	1,161 R.P.M.

Air Shaft No.	Intake
Before	192,420 cfm
After	192,420 cfm

190 F.P.M.
 18,720 cfm @ 0.07% CH₄
 20,520 cfm @ 0.07% CH₄

30 F.P.M.
 8,250 cfm
 13,200 cfm

40 F.P.M.
 30 F.P.M.

30 F.P.M.
 40 F.P.M.

100 F.P.M.
 25 F.P.M.

G
 17,000 cfm @ 0.07% CH₄
 26,000 cfm @ 0.07% CH₄
 18,540 cfm @ 0.07% CH₄
 20,190 cfm @ 0.07% CH₄