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MEMO to: Acting Manager,
From: Underground Manager,
Subject: Ventilation report as per request from Mines Dept -
9th Dec. 1964 ref. Acknld.

As per your request, the following information is supplied set out under the headings as per your letter of the 9th Dec. 1964.

1. (a) Moved 60 A.F. Richardson exhaust fan from 423 to 623 following collapse on south side of 4 level.
(b) Installed 13D and 43D Richardson fans on 6 and 7 level loops respectively to boost air flow along the North Drives.
2. (a) Main Adit intake - 35,000 c.f.m. estimated leakage thru' old fall area, from surface estimated at 66,000 c.f.m.
(b) Main exhaust fans:-
 - (i) 5L/3 Capacity 90,000 c.f.m. - presently exhausting 60,000 c.f.m.
 - (ii) 62S capacity 100,000 c.f.m. - presently exhausting 42,000 c.f.m.
 - (iii) Total exhaust from lower levels via 5 Adit 56,000 c.f.m.
3. (a) The following level entrances were bratticed off:-
123 223 323 423
(b) Slope brattices along 4 level barrier pillar were renewed after the fall in the Upper and Lower Segms.
(c) The following main level connections were made during the year:-
9 level holed between 6 adit and 3 adit
9 service rise holed to the 9 level from the main incline.
(d) The following stoppings preparations were holed:-
912 to 823, 823 to 723, 812 to 712 and 6123 to 723.
4. (a) Proposed installation of third 60 AF Richardson exhaust fan in 3 Adit, west of 7 level.
(b) Ventilation rise (10' x 10') from haulage level at 823 to Upper Beam workings.
(c) Slope bratticing of 8 level barrier pillar from 823 to 8000.
(d) Installation of booster fan at 8 level loop.
(e) (i) 10 Service rise connection from Main Incline to 10 level.
(ii) Connection from 6 Adit to 3 Adit along 10 level.
(iii) Connection of 9SD to 3 Adit.
(iv) Upper Beam Stope Preparation proposed:-

PLAINTIFF'S
EXHIBIT
WV-04259

PLAINTIFF'S
EXHIBIT
10515.0

72K to 61K
82K to 72K
81K to 82K
81K to 91K
81K to 91K
82K to 92K
83K to 93K
84K to 94K

Lower Deck St. Prepns. proposed :-

81K to 91K
91K to 91K

(r) Ventilation doors proposed :-

South of 73K
between 83K and 84K

3. Primary Fans - 2 60AP Rich ex. Fans
Secondary Fans - 16 EP 4" Motors
2 376 Motors
2 410 Richardsons
4 350 Richardsons
2 20 120 Richardsons
6 20 Richardsons.

P.A. CHAMPNESS

13/2/65

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Acting Manager

V.K. Manager

Ventilation Report as per request from
Mines Dept - Q.N. Dec 1964 ref. ASM:1

As per your request, the following
information is supplied set out in
under the headings as per your letter
of 9th Dec 64.

1. (i) Moved 60 A.F. Richardson exhaust fan
from 42S to 60S following ~~as per request~~
request of 4th Dec 64.
- (ii) Installed 350 ~~Richardson~~ and 450
Richardson ~~fans~~ fans on 6 and 7
levels respectively to boost air flow
along the North Drive.
2. (i) Main Airt. Rate - 30,000 c.f.m.
Estimated leakage thru old full area
from surface estimated at 6,000
c.f.m.
- (ii) Main exhaust fans:-
 - (a) Sels. Capacity 90,000 c.f.m. - present
exhausting 10,000 c.f.m.
 - (b) 60S Capacity 100,000 c.f.m. - present
exhausting 4,000 c.f.m.
- (iii) Total exhaust from lower levels
via S.Air 50,000 c.f.m.

- level
3. (i) The following entrances were batticed off: -
1 DS 2 DS 3 DS 4 DS.
- (ii) Stope battices along 4 level barrier pillar were removed after the fall in the upper & lower seams.
- (iii) The following main level connections were made during the year: -
9 level holed between 6A and 3A drift.
9 Service nec. holed to the 9 level from the main incline.
- (iv) The following stope preparations were holed: -
91E to 81S 85S to 77S 81N1 to 71N1 and 612S to 79S.
4. (i) Proposed installation of third BOAF Richardson exhaust fan in 5A drift west of 7 level.
- (ii) Ventilation nec (10'x10') from haulage level at 85S to upper seam workings.
- (iii) Stope batticing of 8 level barrier pillar from 85S to 8000.
- (iv) Installation of booster fan at 8 level loop.

- (a) 10 Service rise connection from Main incline to 10 level.
 (b) Connection from Airt to 3Airt along 10 level.
 (c) Connection of QSD to 5Airt
 (d) Upper Seam Store preparation proposed:-

71N to 61W.
 82N to 72W.
 81N to 82N.
 81N to 91N.
 81S to 91S.
 82S to 92S.
 83S to 93S.
 84S to 94S.

Lower Seam St. Pops Proposed:-

81N to 91N.
 91E to 91S.

- (vi) Ventilation doors proposed:-

South of 73S.
 Between 83S and 84S.

S. Primary fans - 2 GOAF Kell Ex fans
 Secondary " - 16 EF4A Recol.
 2 EF6 "
 2 ASD Richardsons
 4 3SD. "
 2 2 1/2 SD. "
 6 2 1/2 " "
 11 P. " "