FILE NAME: Colonial Sugar Refinery (CSR)

DATE: 1964 & 1965

DOC#: CSR069

DOCUMENT DESCRIPTION: Govt Inspection Results - Dust Counts and Temperatures Recorded in Wittenoom Mine and Plant

(112)

F ABA

GOVERNMENT OF WESTERN AUSTRALIA

M.D. 28.

OFFICE OF THE STATE MINING ENGINEER
MINES DEPARTMENT
CENTRAL GOVERNMENT BUILDINGS.

In replying please quote .....

AJM:JW:

PERTH, 24th June, 1965.

Dr. J.C. McNulty,
Public Health Department,
17 Murray Street,
PERTH.

Dear Dr. McNulty,

Attached herewith are Dust Counts and Temperatures recorded in Wittenoom mine and plant during the following tours :

June, 1964.

November, 1964, and

March, 1965.

Yours faithfully,

(A.J. Murphy).
DISTRICT INSPECTOR OF MINES (Vent.)

COMET ASBESTOS
Surface Plant

PLAINTIFF'S EXHIBIT 10364.0
PENGAD-Bayonne, N. J.

Tabulation of Dust Counts

Mine	Place	Count	TEMPERATURE Dry	TEMPERATURE Wet	Remarks
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine	Main Adit - Top of conveyor Belt	130	81	79	Belt operating - operator near by - thru air - strong flow.
	Main Adit - No. 1 Transfer point	250	82	77	Belt operating - workmen in attendance - thru air - strong flow.
	7 Level 72 W-Nth. Stope prepn. drive.	40	82	79	Temp idle - miner on A/Shift - 16" EF on level - trickle pipe required in end.
	7 Level 72W - Nth Stope. Scraper position.	50	83	80.5	Scraping - Sat 16" EF on level.
	8 Level Drive north.	280	85	82	Boring - 16" EF - Duct 36 ft. from face.
	8 Level 82N Stope and West Stope Drive	130	86.5	83.5	Watering down and prep to bore.
	8 Level N-E Stope. Drive	180	85	84	Hand bogging - Thru air. Slow flow
	8 Level 83S Stope - Scraper position.	100	84	79	Scraping - 16" EF - strong flow passed operator.
	8 Level 83S - NW Stope	140	83	80	Boring - Thru air - very poor flow.
	8 Level 83S - SE Stope	480	84	81	Boring - Thru air - slow flow.
	8 Level 84S Stope	120	83	80	Temp idle - Thru air - very slow flow - secondary vent required.
	9 Level Drive South	280	83	80	Boring - 16" EF - Duct 30 ft. from face (30 ft. passed breakthru to No. 5 Adit) fan to be repositioned closer to No. 5 Adit.
	9 Level 91 N-E Lower Seam Stope	170	85	82	Boring - Sat 16" EF on level below.
	9 Level 91N-Sth Upper Seam Stope	220	85.5	83	Boring - Sat 16" E.F. on level
	9 Level 91E-Lower Seam Stope Drive	160	84	81	Scraping - Sat 10" VB
	9 Level 91 S-Upper Seam Stope	340	85	83	Scraping - 16" EF on level - Duct to top Manway.

...oulation of Dust Counts

Mine	Place.	Count.	TEMPERATURE. Dry.	TEMPERATURE. Wet.	Remarks.
AUSTRALIAN BLUE ASBESTOS PTY. LTD.,					
Surface Plant	Secondary Vibration screen section	290			
	Drier Level	150			
	Secondary crusher section	120			
	Main Control Panel - 1st Leg.	1000+			
	Main Control Panel - 2nd & 3rd Legs.	320			
	Vibrating Screens - 3rd Leg	160			
	Bagging Section - East Side	410			
	Bagging Section - North Side	300			
	N.B. Aft. Shift, cool with strong southerly wind.				

(sgd.) A.J. Murphy.
DISTRICT INSPECTOR OF MINES (Vent.)

Tabulation of Dust Counts

Mine	Place.	Count.	TEMPERATURE. Dry.	Wet.	Remarks.
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine	10 Level Drive South	210	86	84	Mech bogging - 16" EF - Duct 30 ft. back from face - more installed.

(sgd.) A.J. Murphy.
DISTRICT INSPECTOR OF MINES. (Vent.)

Tabulation of Dust Counts

Mine / Place		Count.	TEMPERATURE. Dry.	TEMPERATURE. Wet.	Remarks
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine					
Surface Plant					
N.B. A series of dust counts were taken from the exhaust air of the three main Amerjets. The complete cycle of operation takes approximately 4¾ mins. Dust counts were taken every ¾ min., to cover a complete cycle.					
No. 1 Amerjet (North unit)	0 mins.	16			
	¾ min.	18			
	1½ min.	14			
	2¼ min.	10			
	3 min.	8			
	3¾ min.	110			
No. 2 Amerjet (Centre unit)	0 mins.	18			
	¾ min.	24			
	1½ min.	10			
	2¼ min.	30			
	3 min.	20			
	3¾ min.	12			
No. 3 Amerjet (South unit)	0 min.	60			
	¾ min.	24			
	1½ min.	40			
	2¼ min.	30			
	3 min.	130			
	3¾ min.	44			

(sgd.) A.J. Murphy.
SPECIAL INSPECTOR OF MINES (Ventilation

Tabulation of Dust Counts

Mine	Place.	Count.	TEMPERATURE. Dry	Wet.	Remarks
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine	No. 2 Adit Ross chain Feeder	160			1 operator.
Top Section	" " Conveyor belt	200			1 operator.
Surface Plant	Picking belt	660			6 men working.
	Primary Jaw Crusher (Kue Ken)	190			
	Secondary Symons Crusher Control point adjacent Rotary dryer.	60			1 operator.
Bottom Section	Vibrating Screens No. 1 leg	1000+			Very dusty - operators using masks
	Central switch board Platform	1000+			" " " " "
	Vibrating Screens No. 3 Leg	1000+			" " " " "
	Bagging section - North side	1000+			" " " " "
	Bagging section - East side	1000+			Very dusty - Fibre laying around on floor, stages, ladders etc.

N.B. Hot day, with a strong northerly wind.

(sgd.) A.J. Murphy.
SPECIAL INSPECTOR OF MINES (Ventilation)

Tabulation of Dust Counts

Mine	Place.	Count.	TEMPERATURE. Dry.	Wet.	Remarks
AUSTRALIAN BLUE ASBESTOS.					
Colonial Mine	8L 81 Nth Stope 1/Seam	200	85	82	Temp idle from scraping. Sat thru airflow.
	8L 81 Sth Stope L/Seam	160	82	77.5	Temp idle from boring. Sat thru airflow.
	8L 82 Sth Stope U/Seam.	100	83	79	Idle from scraping. Vent 12" elec fan
	8L 83 Sth Stope U/Seam	60	82.5	78	Boring. Sat thru flow.
	8L 85 Sth Stope U/Seam	380	80	75	Boring. Slow flow. Ventilation to be stepped up.
	9L No. 3 Adit W. Drive	700	79.5	75.5	Boring. Vent 16" Elec fan. Partially recirculating. Bags 30' from face.
	9L 9 Sth Drive	380	80.5	77	Boring. Vent 16" Elec fan. Strong flow at face.
	9L 9000 Stope Drive	100	78	73	Temp idle. Vent 12" Elec fan. Satisfactory flow.
	10L No. 6 Adit Turnoff	650	81	77	Temp idle from mech. loading. Vent 16" Elec fan. Satisfactory flow.
	9L 9000 Stope	250	82	81	Spalling rock into pass. Dead end 10" Vent blower supplied but not installed.
	Bottom of Main Adit	240	76.5	73	Idle from scraping. Dead end. 16" elec fan supplied but not installed.
	Main Adit No. 2 Conveyor Tranafer	350	77.5	70.5	-

(sgd.) R.J.G. Kennedy.

ASSISTANT DISTRICT INSPECTOR OF MINES. (Ventilation)

Tabulation of Dust Counts

Mine	Place	Count	TEMPERATURE Dry.	Wet.	Remarks
AUSTRALIAN BLUE ASBESTOS - WITTENOOM GORGE					
Colonial Mine	Surface Entrance to Main Adit	650	-	-	Wind blowing dust from mill in direction of Main Aidt,
	Junction of Main Adit and 5 lev. turnoff.	700	82.5	66	Conveyor belt working spasmodically
	6L 613 Stope U/Seam	150	76	65	Scraping. Vent 16" Elec fan. Sat.
	6L 64 Nth Stope L/Seam W. Drive	90	78.5	71.5	Temp idle from boring. Vent 16" Elec fan. More vent bag to be supplied.
	6L 65 Nth Stope U/Seam	630	80	77.5	Boring. Vent 16" Elec fan. 15' from thru airway. Vent bags to be installed on fan.
	6L 61" Stope U/Seam	350	80.5	75	Boring. Vent 16" Elec fan. Poor circulation at face. Duct to be extended.
	7L 72 Nth Stope L/Seam	230	80	75	Boring away from thru airway. Vent. 16" Elec fan. Duct to be extended.
	7L 72 Nth Stope U/Seam	50	80	76	Temp idle from scraping. Vent 16" elec fan. Sat flow.
	7L 72W Stope U/Seam Nth Drive	30	82	78	Boring. Vent 16" Elec. fan. Strong flow. satisfactory.
	7L West Drive	300	81	77	Boring vent 16" Elec fan. Bags 30' back from face.
	7L 71 Nth Stope U/Seam	380	81.5	78.5	Boring. Very poor thru airflow. Vent duct to be extended on 16" Elec fan.
	8L 81 Nth Stope U/Seam	700	83	81	Boring in very poor thru air flow.
	8L 81 Nth Stope U/Seam	140	83	80.5	Boring. Poor airflow. Vent to be improved.
	8L				
	8L 8000 Stope U/Seam	280	83	80.5	Boring. Slw airflow.
	8L 81 Nth Stope West Drive	80	81	82	Temp idle. Vent 16" Elec fan. Sat flow

T/Seam

Tabulation of Dust Counts

Mine	Place.	Count.	TEMPERATURE. Dry.	TEMPERATURE. Wet.	Remarks.
COMET - WHITE ASBESTOS					
Surface Plant	General Plant Floor - Crushing Area	370			
	Bagging Section	380			
	Storage and Loading Section	250			
	Primary Screen Section	1000+			
	Secondary Screen Section and cyclones	1000+			
	warm, sunny day, with strong northerly wind.				

(sgd.) A.J. Murphy.

SPECIAL INSPECTOR OF MINES. (Ventilation

Tabulation of Dust Counts

No.	Place.	Count.	TEMPERATURE. Dry.	TEMPERATURE. Wet.	Remarks.
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Surface Plant	No. 2 Adit Ross Chain Feeder	220			
	" 2 " Conveyor Belt	160			
Top Section	Picking Belt	180			
	4 ft. Symons Crusher	260			
	Switch board general area	240			
Bottom Section	Vibrating Screens Area	300			
	Central Switch Board Platform	360			
	Below Screens - Transfer Floor	640			
	Bagging Section - North Side	1000+			Operators wearing face masks
	" " East side	1000+			" " " "
	Warm, sunny day with strong north easterly wind.				
					(sgd.) A.J. Murphy.
					SPECIAL INSPECTOR OF MINES (Ventilation).

Tabulation of Dust Counts

Mine	Place.	Cond.	TEMPERATURE. Dry.	Wet.	Remarks.
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine	7 Level 72 N Nth Stope Lower Seam	100	77.5	74	Mach. temp. idle - Sat thru air - good flow - boosted by 16" E.F.
	7 Level 72 N Nth Stope Upper Seam	260	78	75	Mach temp idle - Sat good flow from 16" E.F.
	8 Level 81 S Stope	640	80.5	75	Scraping - 16" E.F. - delivery int face Sat. - air water sprays on.
	8 Level 80 S-E Stope	500	77.5	74	Boring - thru air - slow flow
	8 Level 80 N-E Stope	600	80	78	Boring - thru air - slow flow
	8 Level 81 N-N.E. Stope	750	81.5	77	Charging up - Thru air - good flow boosted by 16" E.F.
	8 Level 81 N-E Stope Sth Drive	340	80	77	Charging up - Sat - 12" E.F. - strong flow at face.
	8 Level 82 S-S Stope	180	82	79	Scraping - 16" E.F. - delivery at M/way - strong.
	8 Level 83 S-S Stope	170	81.5	78	Boring - Thru air - Sat. flow
	8 Level 84 S Stope	330	81	77	Scraping - Sat. 16" E.F.
	8 Level 85 S Stope	210	81.5	78	Temp idle (aft/shift) Thru air - Sat. flow.
	8 Level 85 S-E Stope Drive	290	81	77.5	Boring - Sat. - 16" E.F. - strong. delivery at face.
	Main Adit No. 2 Belt Transfer	340	73	67	Thru air - very strong flow.

(sgd.) A.J. Murphy.

SPECIAL INSPECTOR OF MINES (Vent.)

Tabulation of Dust Counts

Mine	Place	Count	TEMPERATURE Dry.	Wet.	Remarks
AUSTRALIAN BLUE ASBESTOS PTY. LTD.					
Colonial Mine	Main Adit - Junction with No. 3L	540	69.5	61	Thru air - very strong flow.
	No. 3 Adit West of No. 8 Level	200	80	75	Mech. bogging - 16" E.F. - Vel. at face strong.
	8 Level Junction with No.6 Adit	340	79.5	73.5	Exhaust airway from 9 Level
	8 Level 82 N Rise	600	82	78.5	Temp idle (aft/shift) - 12" E.F. delivery at bottom of rise poor - Rise 5 ft. above backs.
	9 Level 91 N Rise	260	79	73.5	Boring - 16" E.F. - duct 30 ft. back from rise - more bag installed - Rise up 5 ft. - foggy.
	9 Level No. 9 South Drive	1000+	80	74	Boring - 16" E.F. - Vel. at face satisfactory.
	9 Level Ore Pass Grizzly	330	76.5	71	Building grizzly - Thru air - Sat fle
	6 Level 6-12-13 Long Wall Stope	460	80	69	Erect Props and boring - Thru air - strong flow.
	6 Level 65 N - S.E. Stope	280	80	77.5	Rigging gear - 15 ft. from thru air flow - no secondary vent. - holed thru behind pillar.
	6 Level 61 W Stope	700	81	79	Mech. temp idle - 16" E.F. on level duct 40 ft. from face - more bag put on - just finished charging up.
	6 Level 61 W-E Stope	800	81	79	Charging up - No thru air - 20 ft. from thru air flow - smelly from fuel oil.
	6 Level 62 N-S Sth Drive Lower Seam	120	78	70	Charging up - Sat - 16" E.F. - very strong flow.
	6 Level 62 N - N.W. Stope Lower Seam	550	78.5	77	Charging up - 30 ft. from thru air flow no secondary vent. - smelly from fuel oil.

Tabulation of Dust Counts

Date.	Mine.	Place.	Count.	TEMPERATURE. Dry.	Wet.
	COMET ASBESTOS (WHITE)				
26. 3. 65	Surface Plant	General Plant Floor - Primary and secondary crushers	450		
		1st Floor - Cyclone section	240		
		Bagging Section	280		
		Tailings Conveyor Belt Section	1000+		
		Warm, sunny day with strong easterly wind.			

(sgd.) A.J. Murphy.
DISTRICT INSPECTOR OF MINES

(250)

Port Hedland 25th February 1964.

The Senior Inspector of Mines,
Mines Department,
KALGOORLIE. W.A.

re:- Dust nuisance - Colonial Hill - Wittenoom.

Attached please find Inspector Hunt's copy of his recent entry in the Mine Record Book at Wittenoom.

As mentioned in earlier correspondence, the mine is experiencing difficulty in maintaining their target production of 250 tons of fibre per week, which is considered to be the minimum output to pay operating expenses. Their own internal policies connected with the reduction of mining costs has led to an exodus of many miners, and replacement miners are proving most difficult to obtain.

Because the mine is lacking in stope preparation the management have embarked on a policy of retreating tailings from Eastern Creek, and are also treating crude ore which was previously stockpiled on account of its oxidised, and therefore doubtful, quality.

This work has been commenced since my previous inspection and the details are as supplied by Inspector Hunt who claimed that the Mill was in a shocking condition as a result of the introduction of bone dry rejects and tailings upon which no attempt had been made to dampen the material selected. Inspector Hunt is of the opinion that his directive towards the use of sprays may may help to overcome the nuisance, nevertheless, I consider that I must make another inspection very soon.

Inspector Hunt did mention that the undertaking may not prove to be anything more then an unsuccessful experiment, but before I do decide on such a visit I want to draw the matter to your attention in case you wish to have Inspector Murphy visit the mine also, in which case I would arrange my inspection at the same time. Flights to Wittenoom may be more difficult to obtain, than flights to Port Hedland so my transport could be required in any case. Please advise by telegram if a Ventilation Officer will be sent in investigate.

DISTRICT INSPECTOR OF MINES, PORT HEDLAND.

PLAINTIFF'S EXHIBIT 10507.0