

INTEROFFICE CORRESPONDENCE

Company Mines Development, Inc.

Date September 8, 1960

To: H. D. Webb

From: G. F. Richards

Subject: Operations - Milling - Radiation
Surveys - Airborne Dust Survey

Attached are airborne dust surveys of the R.I.P. Section and the Crusher Plant Sample Room. A definite improvement can be seen in the R.I.P. Section since removal of the south wall along the second deck. The Crusher Plant has also improved since the addition of water sprays above the coarse ore bins.

Further work is needed and is presently under way on the hood in the Crusher Plant Sample Prep Room.

MPC for these areas is 4.17×10^{-11} WC/ml.

G. F. Richards
G. F. Richards

gfr:bw

cc: A. D. Gray
H. L. Hazen
G. F. Richards

For

9603190213 600908
PDR ADOCK 04001341
C PDR

P 3410.2 301 11-20

0-26-60

Sample No.

Test

1st 4th of 1st

Material

Sample No.

Weight

Volume

1st 4th of 1st

Material

Test

Sample No.

CRUSHER BUILDING

8-26 46	First deck by operator's desk.	300	29.52	5.77
8-26 47	By west door going to sample room.	300	28.26	11.19
8-26 50	First deck north of control panel.			
8-26 51	Sampling room to south door.			
8-26 52	By stairs leading to second deck.			
8-26 53	First deck by #1 bucket sampler.	300	29.09	5.77
8-26 54	First deck by #2 bucket sampler.			
8-27 55	Second deck north of primary crusher.	300	30.81	6.13
8-27 56	Second deck north of #2 crusher.			
8-27 57	Second deck south of #2 crusher.	300	25.86	5.13
8-27 58	Second deck between bucket sampler and west exit.			
8-27 59	Second deck south of primary crusher.			
8-27 60	Second door outside south exit by #2 bucket sampler.			
8-27 61	Platform by primary crusher.	300	32.76	6.49
8-27 62	Third deck by #2 bucket sampler.			
8-27 63	Third deck by #1 bucket sampler.			
8-27 64	Third deck between control panel and west exit.	300	41.34	8.21
8-27 65	Third deck by #2 exit.			

Average Radiation Level: 6.96

Scatter: 1.87 x MCP

The Crusher Building shows a definite improvement since the addition of a spray over the coarse ore bins. The operator wears an approved type respirator when working in this area.

ORE PROCESSING

DATE 8-26-60

Sample No.

Area

Liters of air
Sampled

Micrograms U308
Collected on
Filter Paper

Radiation
Level
mR/hr

RIP SECTION

8-26	108	Sample between lime tank and mixer settler tank.	200	20.34	4.93
"	109	Near mixer tailings pump	200	20.51	6.07
"	110	First deck under RIP tank #1.	200	16.95	3.36
"	111	South of #7 RIP tank.	200	44.97	8.13
"	112	Under RIP tank #10.	200	28.67	5.29
"	113	South of hold tank.	200	23.90	3.87
"	114	Under RIP tank #11.	200	16.51	4.01
"	115	Between air circ. reservoir and surge.	200	21.67	4.50
"	116	West of #8 RIP tank.	200	32.26	6.43
"	117	Over slime tailing tank.	200	32.26	6.43
"	118	Between RIP tanks #2 and #3.	200	35.48	7.32
"	119	Between RIP tanks #6 and #7.	200	45.15	8.36
"	120	Between RIP tanks #8 and #9 second deck.	200	20.88	3.87
"	121	Between RIP tanks #12 and #13.	200	28.67	5.29
"	122	North of #3 press.	200	35.33	4.60
"	123	South of #1 press.	200	43.33	8.57
"	124	Above hold tanks.	200	49.46	9.54
"	125	Upstairs laboratory.			
"	126	Operations Foreman's office.			
"	127	Near control panel #7.			
"	128	Near control panel #5.			
"	129	Near RIP distribution wheel.			
"	130	North of yellow-oxide dust collector, second deck.			
"	131	Near NF weir box.			

Average Radiation Level. 6.00

Remarks: 1.44 times MPC

This section of the RIP section shows an improvement since the July, 1960 survey. The south wall on the second deck of the mill building has been removed resulting in better ventilation.