

MACGREGOR LEAD

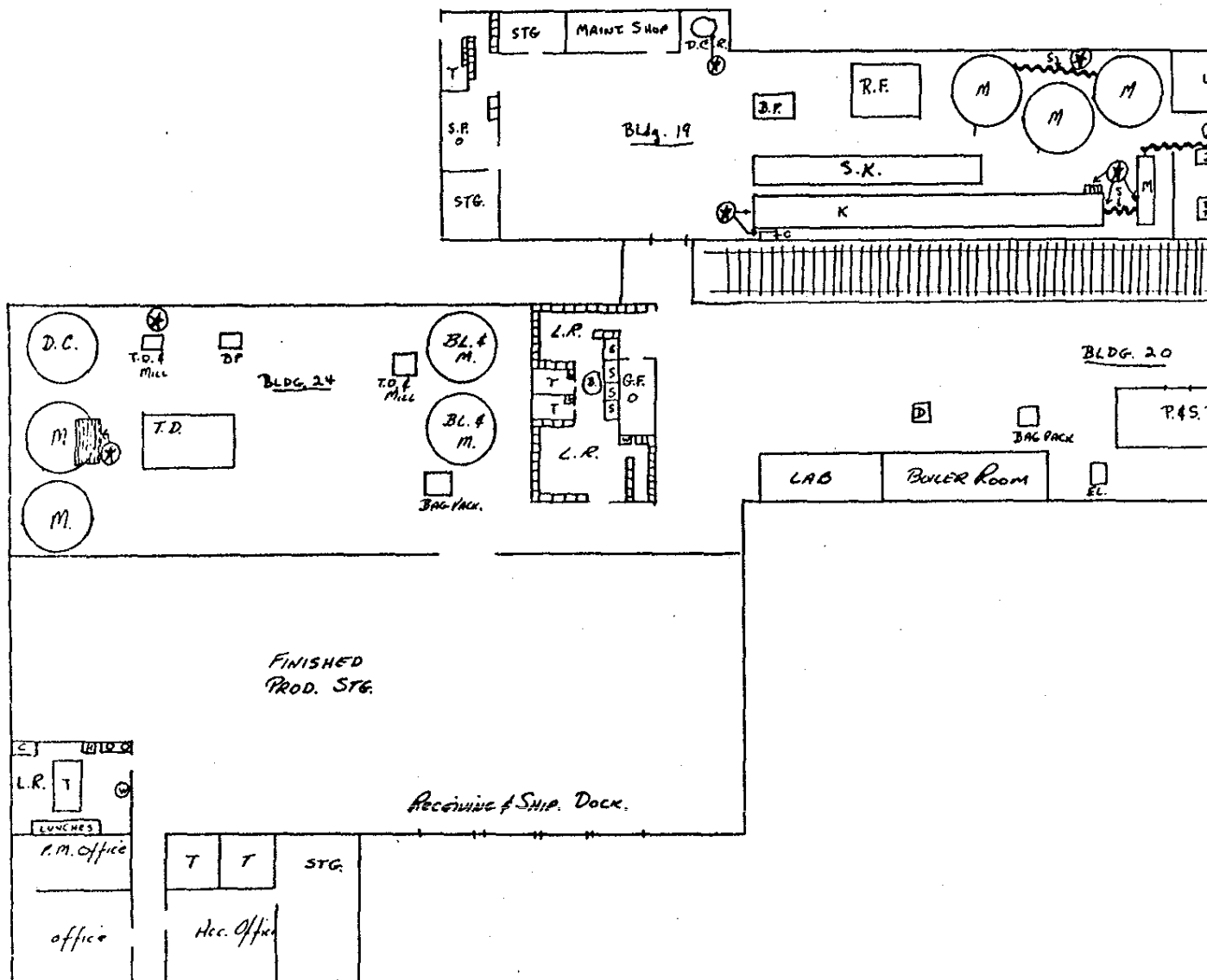
LOCATION	LEAD-IN-AIR CONCENTRATIONS, MGS/m ³				
	3/17/72	10/72	1/72	10/73	11/73
Ball Mill	0.61, 1.11, 0.81	0.56	0.84	.53	.72
Lead Carbonate - Dry - Bag Packer	0.41, 1.80	0.34			.66
Kiln	3.82, 3.69, 2.78	0.57	0.589	5.1	1.21
Dryer - Lead Carbonate	0.29	1.16		2.84	0.87
Various Plant Areas - Maint. Helper	0.37	—			
Various Plant Areas - Maint. Foreman	0.13	0.06	0.54		
Litharge Bagging	5.56 *(1.39)				
Litharge Drumming	2.20 *(.54)				
Lead Sulfate - Dry Bagging	0.26, 0.61	0.04	1.99**	0.12	1.03
Lead Sulfate - Wet (Litharge Chg.)	0.71			0.84	
Mainz Blender - charge mill			1.23***		0.21
Cowles Reactor					0.58
Lunchroom					0.01
Stabilizer 908 - tray dumping			0.70		
GENERAL OFFICE			0.002		

*Estimated 2 hrs/day

**Dump product & change to elevator

***Includes 2 hrs @ kiln

CYWI 3-000777



C.C. R.K.

TO: _____

ATTENTION: B. Terzi

SUBJECT AND OR REFERENCE: Lead in air samples

DATE: 11/

We're sending you 10 lead in air samples (1 through 10) for analysis.

Samples #9 & #10 are blank.

Thank you
B. Terzi

REPLY				DATE
#1	0.575	mg Pb	8	0.1396
2	0.445	" "	9	B/C ND
3	0.361	" "	10	B/C ND
4	0.389	" "		
5	0.419	" "		
6	<0.002	" "		
7	0.022	" "		

#1 = 3160 min = 0.474 m³ = 1.21 Kiln
 #2 = 411 min = 0.616 m³ = 0.72 Ball Mill
 #3 = 428 min = 0.642 m³ = 0.87 15 Drer
 #4 = 364 min = 0.546 m³ = 0.66 15 Bagger
 #5 = 318 min = 0.477 m³ = 1.03 810 operator
 #6 = 125 min = 0.187 m³ = 0.010 lunchroom
 #7 = 387 min = 0.580 m³ = 0.04 Nanta Bagger
 #8 = 151 min = 0.226 m³ = 0.58 712 operator

mg/min³

REPLY MEMO

CYANAMID

20 H.C. 61

William

Chips

OFFICE USE OF DEPARTMENT

FROM

Mr. Rex Smith

INDIVIDUAL

B. Lenzie

SUBJECT AND OR REFERENCE

Lead in die samples

DATE

1/7/74

We are sending you 5 more "Lead in die" monitors, taken at our plant this week - for analysis. Thank you
John

REPLY

DATE

2/14/74

SAMPLE- #1

.343

mg Pb

2

.732

"

3

.328

"

4

.453

"

5

1.536

"

CYWI 3-000779
N14490.02

REPLY MEMO

CYANAMID

C.C. H.C.G.

TO Willson FROM Chas
 OFFICE OR DEPARTMENT OFFICE OR DEPARTMENT
 ATTENTION Mr. Rex Smith INDIVIDUAL B. Terzie
 SUBJECT AND OR REFERENCE Lead in air samples DATE 1/7/74

We are sending you 5 more "lead in air" monitors, taken at our plant this week - for analysis.

RECEIVED
 FEB 19 1974

Thank you
John

AMERICAN CYANAMID CO.

REPLY DATE 2/14/74

SAMPLE #	mg Pb
1	.343
2	.732
3	.328
4	.453
5	1.536

Rx Smith
2/14/74

CYWI 3-000780

INTEROFFICE CORRESPONDENCE

Chicago - January 25, 1974

OFFICE BLDG/TUBE RM# DATE

TO:

ATTN. OF: Mr. H. C. Gaffney

COPY TO:

SUBJECT: General observations and findings while conducting lead in air samplings with Mr. C. S. Hellings on Jan. 22, 23, and 24, 1974.

REFERENCE:

Test #1 - Ball Mill Operator (Hollins)

The operator performed his normal duties. Very heavy lead dust was observed when the vibrator was used.

Total testing time = 6 hrs., 28 min.

Flow rate = 1.5 liters per min.

Date: 1/22/74

Test #2 - 810 Bagger Operator (Lawery)

Normal duties were performed, however, for about two hours the operator was shoveling large quantities of 810 material that accumulated under the drier, back into the elevator. Extremely large quantities of lead dust were generated.

Total testing time - 6 hrs., 35 min.

Flow rate - 0.7 liters per min.

Date: 1/22/74

Test #3 - Maintenance (Carite)

The kiln had to be repaired due to the breakdown, and lead dust was visible in the working area.

Total testing time - 5 hrs., 20 min.

Flow rate - 1.5 liters per min.

Date: 1/23/74

Test #4 - Nauta Blender and Kiln Operator (E. Maye)

This operator worked on 621 in the morning and as a kiln operator in the afternoon, performing his normal duties.

Total testing time - 5 hrs., 10 min.
Flow rate - 0.5 liters per min.
Date: 1/23/74

Test #5 - 908 Operation (Hawkins)

The operator performed his normal duties including grinding of 908. While the dried material was being transferred from pans into the elevator hopper, a large quantity of lead dust escaped into the working area.

Total testing time - 4 hrs., 23 min.
Flow rate - 0.6 liters per min.
Date: 1/24/74

Test #6 - Foreman, including Kiln Operation (Leake)

C. Leake performed his normal duties as a foreman, and also assumed responsibility for the operation of the kiln and spending one hour of his time loading a truck. He also was required to clean a suction pipe at the South End of the kiln generating a very heavy lead dust.

Total testing time - 4 hrs., 20 min.
Flow rate - 1.5 liters per min.
Date: 1/24/74

B. Terzic
B. Terzic

BT:ak