

LR:CCW
12-4932-1
40-2761

APR 27 1962

American Potash and Chemical Corporation
Lindsey Chemical Division
258 Ann Street
West Chicago, Illinois

Attention: Mr. R. M. Healy
Radiation Safety Officer

LICENSE FILE ROUTING	
JGD	<i>[Signature]</i>
WET	
WET	

Gentlemen:

This refers to your letter dated April 9, 1962, informing us of the measures you have taken or will take to correct those deficiencies in your AEC licensed programs which we brought to your attention in our letter of March 26, 1962. These matters will be reviewed during the next inspection of your facilities.

Very truly yours,

R. E. Cunningham, Chief
Enforcement Branch
Division of Licensing
and Regulation

bcc: Compliance Div., HQ)
Compliance Div., III) w/cpy ltr 4/9/62
Public Document Room)

8507080299 850408
PDR FOIA
RAPKIN85-30 PDR

SIGNED CONCURRENCE COPY IN BYPRODUCT FILE

LR:EB LR:EB
CCW:lrw RECunningham

APR 30 1962 4-26-62

U. S. ATOMIC ENERGY COMMISSION
IDAHO OPERATIONS OFFICE
HEALTH AND SAFETY DIVISION
SAMPLE RECORD

Serial No.

14

Sample from: **American Potash & Chemical Corp.
(Lindsay Chemical Company)**Address **West Chicago, Illinois**Collected by: **John G. Davis
William E. Twiler**

Date:

Analyzed by:

Date:

Sample No.	Hour	Sample Description	Sampling			Anal. No.	Quantity Used, ml.	Fluor. Read., sc. div.	Uranium present	
			Rate L/M	Time Min.	Total Liters				Total $\mu\mu$ curies	$\mu\text{C}/\text{mi} \times 10''$
1.	9:55	Entrance to plant on floor under time clock	560	15	8400					
2.	12:30	Breathing zone sample - thorium nitrate loading	560	6	3360					
3.	1:15	Breathing zone sample - seals - Building 2 - Balcony	560	4	2240					
4.	1:45	Breathing zone sample - Rare earth Hydrate - Worker Shoveling Hydrate	560	5	2800					
5.	1:05	Building No. 5 - NH ₄ -2 tank - Ion Chamber Section	560	5	2800					
6.	10:00	Breathing zone sample - taken at roaster while cutting bags	560	5	2800					
7.	11:00	Loading Hopper - Building No. 1 - Railroad Dock - Breathing zone sample	560	5	2800					
8.	1:30	General breathing zone sample - Monazite Sand Hopper - Pot baking area - 3 ft. from Hopper	560	5	2800					
9.	2:00	General area sample - Building No. 9 - 3rd Floor	560	5	2800					
10.	10:30	General breathing zone sample - thorium nitrate Evaporation - Building No. 9 - 2nd Floor	560	5	2800					
11.	10:15	Sand Roasting Shed - tote filler - Height of 3 feet	560	5	2800					
12.	11:30	Building No. 9 - 2nd Floor - Centrifuges Breathing zone sample	560	5	2800					
13.	4:15	200 feet from N.E. corner of plant - Wind blowing from N.W.	560	20	11200					
14.	3:45	S.E. corner of Building No. 9	560	25	14000					
15.	9:45	Edge of roof directly opposite of Dust Collector	560	5	2800					
16.	11:00	Center of 4 Pot Baking Platforms - North end of Pot Baking area - Building No. 9 - 4th Floor	560	5	2800					

Standard _____ sc. div. per _____ μg . Blank _____ sc. div. Sensitivity _____ microgram/sc. div.

Chief, Analysis Branch

APPROVED

See E.C. Att 4 to Insp Rpt for Period 4/30 - 5/31; 6/14/62 & 8/16/62

Sample from **American Potash & Chemical Corp.**
(Lindsay Chemical Company)

Address **West Chicago, Illinois**

Collected by: **John C. Davis**
William E. Twaler

Date:

Analyzed by:

Date:

[illegible]

Standard	µg	Blank	µg	Sensitivity
				microgram/µl dil

Chief, Analysis Branch

APPROVED

Serial No.

Sample from: **American Potash & Chemical Corp.**
(Lindsay Chemical Company)

Address **West Chicago, Illinois**

Collected by: **John G. Davis**
William E. Twaler

Analyzed by:

Date:

[illegible]

Standard _____ % div per _____ µg Blank _____ % div Sensitivity _____ microgram/% div

APPROVED _____
Chief, Analysis Branch

Sample from: **Amersham Petash & Chemical Corp.**
(Lindsey Chemical Company)

**HEALTH AND SAFETY DIVISION
SAMPLE RECORD**

Address West Chicago, Illinois		Collected by: John G. Davis William E. Twaler		Date:		Analyzed by:		Date:		
Sample No.	Hour	Sample Description	Sampling			Anal. No.	Quantity Used, ml.	Fluor. Read., sc. div.	Uranium present	
			Rate L/M	Time Min.	Total Liters				Total μA curies	$\mu\text{C}/\text{ml} \times 10^6$
-97	5-3	Seven 1/2-hour samples - taken with sequential - Located between the two Monasite Sand Monster Hoppers - 1 1/2 feet above ground	5.5	30	165					
	10:23									
	5-3									
-98	10:53		5.5	30	165					
	5-3									
	11:23									
-100	5-3		5.5	30	165					
	11:53									
	5-3									
-101	12:23		5.5	30	165					
	5-3									
	12:53									
-102	5-3		5.5	30	165					
	12:53									
	5-3									
-103	1:23		5.5	30	165					