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J. R. Roeder, Chief, Materials Inspection & Enforcement Branch, Div. of Compliance, HQ

FEB 26 1968

A. F. Ryan, Investigation Specialist
Region I, Division of Compliance

PHILIPP BROTHERS DIVISION OF
ENGELHARD MINERALS AND CHEMICALS CORP.
YOUR MEMO OF DECEMBER 5, 1967

In accordance with your request of December 5, 1967, I called at Philipp Brothers Division of Engelhard Minerals and Chemicals Corporation on January 17, 1968. I was informed by Benjamin B. Bollag, Metal Trader, that the monazite sand covered in the import certificate, attached to your memorandum, was imported for Davidson Chemical Co., a division of W. R. Grace. Bollag stated that Philipp Brothers does not do any processing whatever and is merely the import agent for the Davidson Chemical Company.

Records available at this office indicate that Davidson Chemical Company either has or has had two source material licenses, one, SMB-306, place of use - Erwin, Tennessee, and STA-422, place of use - Pompton Plains, New Jersey.

No further action will be taken in connection with this matter unless requested by you.

8208250081 820617
PDR FOIA
AKST82-219 PDR

<input type="checkbox"/>	OFFICE ▶	COMPLIANCE				
<input type="checkbox"/>	SURNAME ▶	RYAN: <i>ma</i>				
	DATE ▶	2/21/68				

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JOB ANALYSIS SHEET

OPERATOR JAMES LINDENBERG

1 MEN/SHIFT / 1 SHIFTS/DAY

BALL MILL OPERATOR

Operation or operating area	time per oper	oper per shift	time per shift (min.)	No. of slps.	CONCENTRATION d/m ³			AVGE CONC X TOTAL TIME
					LOW	MIX	MAX.	
1. BALL MILL AREA			170	3	3	124	63	10710
2. FURNACE ROOM			170	3	3	5	4	610
3. FURNACE BARGE			60	3	3	9	6	360
4. TANK 84 155 AREA			60	3	4	1	6	360
5. LOUVE ROOM			50	2	2	12	7	280
			510					12390

(TxC) 12390 243% d/m³ times max. per. conc.
 (T) 510

0 1 1

110 100 100

AREA MONITORING SURVEY DATA SHEET

R.E.P.P. WAYNE TWP., NEW JERSEY

DATE June 2, 1961

BUILDING OR AREA Plant Survey

NATURE OF SUSPECTED ACTIVITY Radiation - gamma

MONITORED BY Peter Gurnea

INSTRUMENT USED Gauger - Anton #5

LOCATION	Distance From Source	Radiation Level <i>mR/hr</i>	REMARKS
Shipping Room	3 ft.	0.20	<i>all readings at waist level</i>
Refrigerator Room	"	0.25	
Cooling Fan Room	"	0.25	
Stack #1	"	1.50	
Sulphur Kettle	"	1.5	
Thorium Refining	"	2.5	<i>Inactive area.</i>
Stack #6+17	"	0.50	
Control Room	"	1.50	
Thorium Room	"	2.50	
Uranium Storage	"	3.00	
Dust Mill	"	2.0	
T-2P+41	"	0.50	
Thorium Hydroxide Storage	"	2.50	
Sulfur Storage Area	"	2.50	
Thorium Vault Inside	"	10.0	
Outside	"	2.5	
Process Storage	"	0.2	

SURVEY OF RADIOLOGICAL AIR-BORNE CONTAMINATION

OUTDOOR SAMPLES

30 MIN. COUNT ON SCALER

Location	Date	Time	Type of Survey	Results		MC/ml	MPC
THORIUM HYDRATE STORAGE	5/9/61	9:30 AM	AIR BORN	6	M ³		
		2:00 PM	ALPHA	4			
				5	.67	3.2×10^{-13}	19%
NORTH WEST CORNER OF FENCE LINE	5/9/61	10:00 AM	DITTO	0	M ³		
		2:30 PM		2	.13	$.54 \times 10^{-13}$	3.5%
				1			
AIRWAY ALONG SOUTH END OF FENCE			NOTHING OVER BACKGROUND				
SOUTH WEST CORNER OF PROPERTY	5/9/61	10:40 AM	DITTO	1	M ³		
		3:15 PM.		5	.4	1.8×10^{-13}	10.6%
				3			

Date

5/11/61

Peter J. Gannon

SURVEY OF RADIOLOGICAL AIR-BORNE CONTAMINATION

Location	Date	Time	Type of Survey	Results		MPC
				16	M^3	
Shipping Room	5/8/61	8:30 AM	ALPHA AIR BOARD 100 cu. ft. of AIR FILTERED IN 10 MIN.	16	M^3	7.4%
		2:00 PM		24	8	
PULVERIZING Room	5/8/61	8:50 AM	D.I.T.O	15	M^3	3.6%
		2:20 PM		60	4	
CALCINING FURNACE	5/10/61	9:05 AM	D.I.T.O	12	M^3	3.3%
		2:40 PM		8	4	
Thorium REFINING	5/10/61	9:25 AM	D.I.T.O	19	M^3	8.2%
		3:00 PM		25	9	
Thorium CRYSTALLIZER	5/11/61	9:55 AM	D.I.T.O	81	M^3	26%
		3:20 PM		62	29	
Process STORAGE	5/10/61	10:10 AM	D.I.T.O	30	M^3	10.8%
		3:40 PM		31	12	

Date 5/10/61

Peter J. Gaheri

SURVEY OF RADIOLOGICAL AIR-BORNE CONTAMINATION

Location	Date	Time	Type of Survey	Results		MPC
				Count	μCi/m ³	
5/8/61 BALL MILL	5/8/61	10:30 AM	AIRBORNE	77	M ³	5.8%
		4:00 PM.	ALPHA	230 157	64	
MONAZITE STORAGE	5/8/61	10:50 AM	DITTO	49	M ³	20%
		4:20 PM.		61 55	23	
LUNCH ROOM 'TRAILER'	5/8/61	11:10 AM	DITTO	8	M ³	2.2%
		4:40 PM.		6 7	2.6	
KETTLE AREA	5/8/61	11:30 AM.	DITTO	23	M ³	5.4%
		4:55 PM		8 15	6	
CONTROL LAB.	5/8/61 5/9/61	11:50 AM	DITTO	11	M ³	4.6%
		9:00 AM.		15 13	5	

Date 5/10/61

Paul J. Gami

