

3876

no. 12/12/94

PA.0-02

PA.0-02-1

1.21.1

MEMORANDUM

TO: FILE

DATE 12/9/87

FROM: S. Jones

SUBJECT: Elimination

SITE NAME: Bartol Research Foundation

ALTERNATE NAME: Part of the Franklin Institute

CITY: Swatmore STATE: PA

OWNER(S)

Past: Current: Owner contacted [] yes [x] no; if yes, data contacted

TYPE OF OPERATION

- Research & Development, Facility Type, Production scale testing, Pilot Scale, Bench Scale Process, Theoretical Studies, Sample & Analysis, Manufacturing, University, Research Organization, Government Sponsored Facility, Other, Production, Disposal/Storage

TYPE OF CONTRACT

- Prime, Subcontractor, Purchase Order, Other information (i.e., cost + fixed fee, unit price, time & material, etc)

Contract/Purchase Order #

CONTRACTING PERIOD:

OWNERSHIP:

Table with 7 columns: AEC/MED OWNED, AEC/MED LEASED, GOVT OWNED, GOVT LEASED, CONTRACTOR OWNED, CONTRACTOR LEASED. Rows include LANDS, BUILDINGS, EQUIPMENT, ORE OR RAW MATL, FINAL PRODUCT, WASTE & RESIDUE.

AEC/MED INVOLVEMENT AT SITE

- Control
- AEC/MED managed operations
 - AEC/MED responsible for accountability
 - AEC/MED overviewed operations
 - Contractor had total control
 - unknown

- Health Physics Protection
 - Little or None
 - AEC/MED responsibility
 - Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- No Radioactive
 - Natural Radioactive from Feed Materials Production
 - Ore
 - Refined Source Material
 - Residue
 - Natural Radioactive Material from Non-Nuclear Activities
 - Man-Made
 - Other _____
- Comment _____

Quantities (on the basis of records reviewed)

- None
 - Production Quantities
 - Small Amounts
- Comment possibly performed radiation monitoring research

OTHER PERTINENT FACTS:

- Facility was Licensed
 - During AEC/MED-Related Operations
 - For Similar Activities
 - For Other Activities
- Comment _____

- Commercial Production Involving Radioactive Material during AEC/MED Operations
- Facility was Decontaminated and Released
 - Availability of Close Out Records
 - None
 - Some
 - Sufficient

Radioactive Status:

	YES	MAYBE	PROBABLY	NOT
Contaminated Potential for Exposure (accessible)	---	---	NOT X	X

Page No. 1
11/25/87

BARTOL RESEARCH FOUNDATION

DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #
02/17/44	OH.30	FERNELIUS, W.	RUNOFF, J.	EQUIPMENT FROM BARTOL RESEARCH FOUNDATION, SMARTHMORE, BARTOL, MONSANTO PA		145/28 612

Med History Copy
Box 145 Folder 28
File 3/22/44
NCW

MONSANTO CHEMICAL COMPANY
UNIT III

04.30

Central Research Department
Dayton, Ohio

February 17, 1944

Colonel John R. Ruhoff
P. O. Box 42, Station F
New York 16, New York

CLASSIFICATION CANCELLED OR
CHANGED TO Unclassified
BY AUTHORITY OF DOC 9/2/71
BY SP-2 DATE 8/15/85

Dear Colonel Ruhoff:

The Physics Group attached to our project is very desirous of obtaining certain equipment for use here. According to Dr. De Benedetti, who has recently joined our project, these materials can be obtained from the Bartol Research Foundation, Swarthmore, Pennsylvania, of which Dr. W. F. G. Swann is the Director. Inasmuch as any inquiry directly to the Foundation would of necessity reveal a good deal about the nature of the things we are doing here, we believe that such inquiry had best come through your office.

All of the equipment below should operate at a voltage between 1300 and 1500 volts. We would like to secure 4 Geiger counters with thin glass windows for counting soft beta rays and 2 Geiger counters of usual design and thickness (1 mm. glass with copper electrode 1/10 mm. thick, 6" long, and 1/2" in diameter) for beta and gamma rays.

We would also like to inquire about the possibility of purchasing counters for slow neutron (Korf's model) - what is the price and what are the dimensions? Also what is the possibility of making glass sealed counters with very thin windows for alpha particles - either making them at the Foundation or giving us directions for construction here?

With best personal wishes, I am,

Sincerely yours,

/s/ W. C. Fernelius
W. C. Fernelius

WCF:wh

~~SECRET~~

QUANTITY OF RECORDS AVAILABLE:

Very Little Some Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

Low Possible High

RECOMMENDATIONS:

Eliminate
 Consider for Remedial Action
 Collect More Data

Comment Listed as a BNL participant. Possibly furnished
equipment to Monsanto

REFERENCES: Attached

MED History, Book I, vol 4, chapter 2, p. 2.21

SUMMARY BNL participant. No reason to believe the
site would have residual radioactive
contamination as a result of operations.