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MOUND LABORATORY

Operated by

MONSANTO CHEMICAL COMPANY
U. S. GOVERNMENT CONTRACT NUMBER AT 33-1-GEN-83

Miamisburg, Ohio

cc

MOUND LABORATORY-MONSANTO
Central File No. 54-2-21

ALMD54022100224

To Dr. J. J. Burbage

Date January 29, 1954

At "A" Building

Subject Comments on FY 1956 Preliminary
Program Assumptions - Program 6000

Released through the
MOUND LSDR PROJECT
(funded through DOE's OPENNESS INITIATIVE)
Record Copy held at Mound Facility

This memo contains the information on neutron sources and capital costs associated therewith under point 4 of the program assumptions.

The capital costs for items other than neutron sources (for such things as special cages, racks, and neutron monitors) should come to well under \$2,000 per item in any fiscal year and, accordingly, are not detailed below.

Four methods of calculating the cost of neutron sources are given in the table below. It is contemplated that the original source will be supplemented every two weeks with an additional source so that an approximately steady neutron flux may be maintained. The first column of prices are those that should be charged to an off-site request for sources through the Isotopes Division at Oak Ridge. The next three columns of costs assume a \$50 cost per unit of alpha activity. At current prices this would pay for both the material and depreciation. If one eliminated depreciation charges, the cost of alpha material in all instances would drop by 30 to 40 per cent. The labor charges in the second column are those for the direct salaries only of the people actually engaged in making the sources (cost center 4). The labor charges in the third column are an equivalent percentage of the total direct cost of center P-1A. The labor costs in column 4 are an equivalent percentage of the total operations cost of center P-1A. It is assumed that two man days would be required for the fabrication of the original source and that one man day would be required for the fabrication of each supplemental source. The cost of labor estimates in columns 2 to 4 are on the basis of experience from July 1, 1953 through December 31, 1953.

GROUP 1
Excluded from automatic
downgrading and
declassification

MOUND DECLASSIFICATION REVIEW	
1ST REVIEW DATE <u>2/17/98</u>	DETERMINATION (CIRCLE NUMBER):
AUTHORITY <input type="checkbox"/> AOC <input type="checkbox"/> ADC <input type="checkbox"/> ADD	1 CLASSIFICATION RETAINED
NAME <u>J. M. FLANNAGAN</u>	2 CLASSIFICATION CHANGED TO:
2ND REVIEW DATE <u>8/17/18</u>	3 CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY <input type="checkbox"/> AOC <input type="checkbox"/> ADC <input type="checkbox"/> ADD	4 COORDINATE WITH:
NAME <u>John G. Pata</u>	5 CLASSIFICATION CANCELLED
	6 CLASSIFIED INFO BRACKETED
	7 OTHER (SPECIFY):

Estimated FY 1956 Costs for Neutron Sources

Method of Cost Accounting	Standard Off-Site	α Material* Plus Direct Salaries CC 4	α Material* Plus Direct Cost of P-1A	α Material* Plus Total Operations Cost of P-1A
I. Original source	\$3,000			
α Material		\$750	\$750	\$ 750
Labor at 2 man days		50	140	310
Total Original	\$3,000	\$800	\$890	\$1,060
II. 25 Supplemental Sources	\$22,500			
α Material		\$1,250	\$1,250	\$1,250
Labor at 1 man day per source		700	1,700	3,900
Total Supplement	\$22,500	\$1,950	\$2,950	\$5,150
III. Total Yearly Cost	\$25,500	\$2,750	\$3,840	\$6,210

* α -Material calculated at \$50 per unit in columns so marked.



David S. Anthony
Director, Biology Division



UNITED STATES
ATOMIC ENERGY COMMISSION

In Reply Refer to:
M:JHR

P. O. Box 66
Miamisburg, Ohio
February 5, 1954

Monsanto Chemical Company
Mound Laboratory
Miamisburg, Ohio

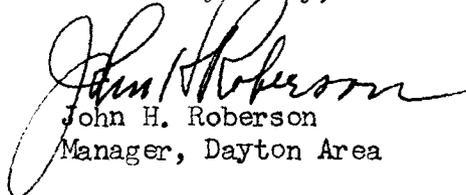
Attention: Dr. J. J. Burbage, Director

SUBJECT: CLASSIFICATION OF MONSANTO LETTER OF
JANUARY 29, 1954

Dear Dr. Burbage:

Confirming our understanding, I have classified my copies of your letter of January 29 on the Program 6000 budget assumptions as "CONFIDENTIAL - RESTRICTED DATA". Would you please mark copies in your possession similarly.

Yours very truly,


John H. Roberson
Manager, Dayton Area

ROBERSON:mr