

ALMD66072090832

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From LOCATION : Mound Laboratory, Miamisburg, Ohio
DATE : July 12, 1966
SUBJECT : Blanket SANL for FY 1967
REFERENCE :

cc :
MOUND LABORATORY-MLM-1110
CENTRAL FILE NO. 66-7-209

~~SECRET~~
DATE 7/13/66 UNIT S.J.W.

TO : Dr. G. Richard Grove

The following information was excerpted from MLM-CF-66-6-551, SANL 409, blanket work order for FY 1967, University of California, Lawrence Radiation Laboratory to Mound Laboratory, June 1, 1966:

I. General Instructions

A. This is a request for services issued by University of California, Lawrence Radiation Laboratory, in accordance with AEC instructions to allocate funds in the amount of \$1,200,000.00 to cover costs of work ordered during the period July 1, 1966 to July 1, 1967. This allocation is subject to availability of funds from AEC, and costs accrued against this request shall not exceed \$300,000.00 until Mound has received written notice from UCLRL that additional funds have been authorized.

B. The initial estimate of cost of services requested may be made by UCLRL. In such cases, Mound will review the estimate and advise UCLRL in writing within 30 days of receipt if the cost estimate is valid or should be revised. Neither UCLRL nor Mound guarantees corrections of any estimate of cost of performance of such services. Mound will maintain current cost information adequate to reflect the cost of performing services and will notify UCLRL in writing whenever it becomes apparent the total cost of work will exceed the money allocated. Mound will make no additional

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MOUND DECLASSIFICATION REVIEW
1ST REVIEW DATE 02/05/07 DETERMINATION (CIRCLE NUMBER)
AUTHORITY (CLASS) EADC QADD
NAME [Signature]
2ND REVIEW DATE 11/30/07
AUTHORITY (CLASS) [Signature]
NAME [Signature]

GROUP 1
Automatic
Declassification Authority

DATA
[Signature]

July 12, 1966

B. (Continued)

expenditures or commitments when the aggregate of existing expenditures and outstanding commitments under this request is equal to 100% of the money allocated. Mound will submit monthly invoices in triplicate to UCLRL, Accounting Office, Post Office Box 808, Livermore, California. When feasible these invoices will show separately labor, material and other related charges.

- C. UCLRL or Mound may terminate work under this request, in whole, or in part, at any time by written notice, indicating the extent and effective date of the termination, if at any time Mound becomes aware of any circumstances whatsoever which might jeopardize performance of the request. W. M. Miller, Special Materials Staff, UCLRL, Livermore, California, should be notified immediately of the circumstances and Mound should take whatever action is necessary to cure the defect within the shortest possible time.

II. Blanket Request

Mound is requested to perform the work described under "Scope".

- III. SS Materials and Precious Metals required for this request are as follows:

U²³⁵

U²³³

Normal Uranium

Depleted Uranium (D-38)

Pu²³⁹

Pu²³⁸

III. (Continued)

Np²³⁷
Thorium
Tritium
Deuterium
Li⁶
Curium
Gold
Platinum
Silver

IV. Scope

- A. Monsanto is requested to furnish the following detonator support:
1. Printed circuit support including printed circuit boards, with associated bridgewires, pellets, etc., and loading, assembly and inspection, as requested by UCLRL.
 2. Curved pellet assemblies of various dimensions as requested for the Razorback and similar devices.
 3. Development detonators, as specified by UCLRL, such as EX-3, EX-4, EX-7, EX-9, EX-11, EX-12, EX-32, EX-37, EX-38, EX-39 and XMC-2232.
 4. MC-1690-1, MC-1690-2, MC-1991-1, MC-1991-2, 1E26, and SE-12 detonator assemblies, as required by UCLRL.
 5. Development of production methods, production variables study and environmental testing of MC-1957-A detonators and MC-2059 detonator-cable harness assemblies.

IV. A. (Continued)

6. Development studies of RDX initial pressing parameters, small detonator parameters, new AFAO detonators and new H. E. materials.
 7. SE-1 detonators, both inert and live, either with or without lock-nuts, adaptors and booster pellets.
 8. Research, development and fabrication of detonator components and assemblies for experimental work at UCLRL and Mound.
 9. Test firing, firing data and data analyses, as specified by UCLRL.
 10. Environmental testing and data analysis, as specified by UCLRL.
 11. Miscellaneous detonator development support, as requested by UCLRL.
- B. Mound may be requested to furnish the following support involving SS materials and other materials.
1. Fabrication of device parts of Li^6 (DT), with or without binders and/or tracers.
 2. Development of methods of containment of materials such as Pu-238, Li-6, tritium, etc.
 3. Metallurgical investigation such as welding or electron-beam welding of uranium, uranium alloys, beryllium, tantalum, tungsten, gold, platinum, etc.

IV. B. (Continued)

4. Assembly of nuclear device components, as requested by UCLRL.

5. Miscellaneous Development support as requested by UCLRL.

C. Mound may be requested to supply He-3. Specific quantities and purity will be defined on individual memoranda.

D. Mound may be requested to perform disassembly and inspection of WR items, as specified by UCLRL.

E. UCLRL may furnish some of the SS or other materials required.

F. Laison

Technical liason will be specified on individual memoranda; administrative liason for UCLRL will be supplied by Mr. D. E. Loewe.

V. Shipping Instructions

Shipping instructions will be provided on individual memoranda; all shipments shall be marked with the SANL number, and shall be made in accordance with AEC regulations.

VI. Capital Equipment

This SANL does not provide reimbursement for capital equipment, unless specifically authorized on individual memoranda.



Kenneth W. Foster



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Dr. G. Richard Grove

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