

Miss C. Hara

INTERNATIONAL LEAD ZINC RESEARCH ORGANIZATION, INC.

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November 20, 1967

To: All Members of the Environmental Health Committee

Re: LH-115 Six Cities Study

Attached for your information is a copy of the meeting minutes of our latest discussion of this project, together with a revised proposal from the contractor, Kettering Laboratory, revisions taking into account discussions at the meeting. When we are ready to vote on initiation of this project this will probably be the proposal on which we vote and the dollar amount of the proposal.

Please retain this information in your files, as we will not plan to make another distribution of it at the time we send out a mail ballot.

For your information the entire project has been placed in abeyance temporarily for lack of funds available to the U.S. Public Health Service. We expect federal funds to be available some time before January 1, 1968.

Of course, any comments and suggestions that you have on the proposal will be welcome at any time.

Very truly yours,



Don O. Fowler
Project Manager

DOF:ev
enclosures

UNIVERSITY OF CINCINNATI
COLLEGE OF MEDICINE
DEPARTMENT OF ENVIRONMENTAL HEALTH

LETTERING LABORATORY
EDEN AND BETHLEHEM AVENUES
CINCINNATI, OHIO 45219

October 18, 1967

Dr. Robert J. M. Norton
Health Effects Research Program
National Center for Air Pollution Control
5008 Federal Office Bldg.
Cincinnati, Ohio 45202

Dear Dr. Norton:

It seems to me that Thursday's session was very much worthwhile in clarifying for all participants certain details of the proposed exercise. Any struggling on my part was largely intended to identify more precisely the nature of functional relationships between the Committee and the University. These appear to have been worked out in a fashion which will be mutually useful.

In view of recommendations to expand the Cedar Rapids (or equivalent) program to perhaps four stations (after suitable verification), I have suggested that the budget be modified to accommodate this additional effort. I am further recommending that \$1,000 be made available for the expenses of meteorological consultation (including travel) in the matter of site selection. We would like to do carbon monoxide traverses of areas selected to confirm the extent to which they constitute a "neighborhood". One further item at \$1,000 under "supplies" would give us the freedom to rent a small truck or station wagon from time to time for the haulage of pumps and shelters.

Although the budget will probably be funded on the basis of one year, it more closely follows our anticipated expenditures over one year after the sites are functioning. That is to say, the anticipated rate of expenditures will not be achieved until perhaps January, until that time the planning activities will not require the full number of technicians, supplies, etc. I am not sure how you propose to handle this sort of thing, but I imagine that 2 years of field work will require at least 2 1/2 years of an active contract with a variable level of expenditure. The total number of dollars need not be any different.

With respect to some of the other points discussed, we are prepared to send you monthly statements of what is being done and anticipated plans and activities. In general, we shall proceed in each case as outlined unless suggestions are made by you to the contrary within 10 days. On the matter of new stations, however, we shall take no action toward actual set-ups until we get the green light from your group.

Dr. Robert J. M. Horton
October 16, 1967
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We are fully agreed that atomic absorption and chemical methods must be statistically compared prior to the study and periodically compared during its course. Professor Cholsk tells me that he uses a long flame but not a special tube inasmuch as this degree of sensitivity is not required for the atmospheric sampling.

In anticipation of this contract, we are going ahead with conferences on the Cincinnati sites and will call upon your office in the near future for details with respect to the 1961-62 program.

Very truly yours,

Lloyd E. Tepper, M.D.
Associate Director

LRT/ab

Budget - Page 2Equipment

Perkin-Elmer 303 Atomic Absorption Spectrophotometer with digital readout, tape printers, extra tubes, hood	\$12,000	
31 5 cfm pumps (including tandems and stand-bys)	3,665	
31 Filter heads (plus additional sets of filter holders for each)	3,258	
38 Dry gas meters (plus fittings and vacuum gauges)	3,040	
78 Shellers	2,800	
Microhematocrit centrifuge	300	
Microhematocrit reader	80	
Shipping crates	300	
		<u>\$25,310</u>

Supplies

5,000 - 104 mm D Membrane Filters (\$22.00/100)	4,100	
Power and set-ups to operate stations at \$15/month/station (30 stations)	3,850	
Transportation (350 miles/week/city at \$0.10/mile + 200 miles/week Cedar Rapids)	6,440	
Shipping and Mail Charges, Maintenance & Repair of Equipment, etc.	4,500	
Truck rental (as necessary)	1,000	
Camp toilets and bags, urine bottles	350	
Chemicals, extractants, analytical reagents, glassware, parts, etc.	12,000	
Vacuutainers, needles, heparinized capillary tubes, and closures	1,500	
Rental of tables, screens, & chairs	300	
		<u>\$35,940</u>

Travel

To survey sites, set-ups, supervision and blood collection teams	11,000	
		<u>\$11,000</u>

Overhead

At 3% of direct salaries		<u>\$24,728</u>
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TOTAL..... \$711,068

Tentative One-Year BudgetPersonnel

		Annual Salary
L. B. Tepper, M.D.	35%	-
J. Chulsh, Ch.E.	15%	-
B. Saltzman, Ph.D.	10%	\$1,800
O. W. Bach, Ph.D. (urban climatologist)	8%	-
R. A. Kohoe, M.D.	8%	-
K. Tsuchiya, M.D.	8%	-
D. Yeager, Ind. Hyg. Engr.	25%	1,860
L. Schafer, Ind. Hyg. Engr.	35%	4,200
Technicians, Field and Analytical 4, \$6,000 each	100%	24,000
*Monitors, Los Angeles and Philadelphia 2, \$7,500 each	100%	15,000
*Monitor, Cedar Rapids	35%	2,500
Administrative Ass't.	60%	4,320
Clerical Assistant	100%	8,000
Field Survey Team (blood collections)		
Registered Nurses 2 at \$4,600 each	25%	3,300
Technician, 1 at \$4,000	25%	1,500
Clarks, 2 at \$4,600 each	25%	2,300
Assistant, 2 at \$3,400 each	25%	2,700

\$48,570

Add 1/12 for 13th mth. (excl. field survey team)

4,897

Add additional 1/12 for vacation for monitors in
L.A., Phila. and Cedar Rapids1,458\$54,925*Salary scale will be that of appropriate
cooperating organization.Staff Benefits

At 15%

9,740

\$7,740ConsultantsStatistical Services including machine time 10,000
Meteorological Services 1,000\$11,000Compensation to Subjects

Standard donors (incl. trans. & hospital costs) 3 at \$40 each	120
Sample donors 1,500 at \$5.00 each	7,500
Metabolic subjects 40 at \$50 each	2,000
Rental for air sampling sites, if necessary (negotiable). Computed at 24 sites at \$25/mth. (excluding power & hook-up 24 x 12 mths. @ \$25/mth.)	7,500

\$18,420