GRADUATE SCHOOL OF PUBLIC HEALTH
UNIVERSITY OF PITTSBURGH
PITTSBURGH, PENNSYLVANIA 15213

DEPARTMENT OF BIOSTATISTICS

May 29, 1975

J. C. Gilson, F.R.C.P.
MRC Pneumoconiosis Unit
Llandough Hospital
Penarth, Glamorgan
CF6 1XW

Dear John:

I will try again to get a copy of my New York talk to you (enclosed) and would appreciate any comments you might have.

Regarding the Stratford Raybestos-Manhattan plant about which John Marsh talked with you, we are somewhat limited by the fact that personnel records on men employed before January, 1947 have been destroyed. I have proposed a fairly simple mortality study for all men employed a year or more in production or maintenance during the period January 1, 1947 through December 31, 1964. I estimate about 4000 would qualify. We would follow this cohort for mortality through December 31, 1974. I had hoped that we could do something on dust levels, however. John Marsh is not sure adequate data are available for this. I estimate that this study will require about two years and that the total cost, including a 68% University overhead, would be about $65,000. Could you give me any estimate on how much a comparable study on the Ferodo plant would cost?

I enjoyed seeing you and your wife again. JoAnne and I had a great time moving rocks at Corbetts' country estate.

Kindest personal regards.

Philip E. Enterline, Ph.D.
Professor of Biostatistics

PE/jn
Enclosure

cc: John Marsh

00869

CRMC-Motley1000-Subj-002316

GRADUATE SCHOOL OF PUBLIC HEALTH
UNIVERSITY OF PITTSBURGH
PITTSBURGH, PENNSYLVANIA 15213

DEPARTMENT OF BIOSTATISTICS

May 19, 1975

Mr. John H. Marsh
Director of Corporate Planning
Raybestos-Manhattan, Inc.
205 Middle Street
Bridgeport, Connecticut 06603

Dear John:

In light of the comments you received from George Wright regarding our contract proposal, I think it would be best if I sent you a new proposal which contains some assurances about the fate of the records at the completion of the project, and what should happen if I should leave the University (unlikely). Before processing this here I am enclosing a draft which I would like you to read over. This contains a new paragraph that discusses the problem. Also, in order to keep the cost down, which I understand is a difficulty, I have deleted the reference to relating mortality experience to intensity of dust exposure and have dropped the clerical time to one year. Matching jobs, as described on personnel records, with job lists and estimates of exposure and calculating exposure indexes is a time consuming task and was one of the reasons for the 2 man years of work by the clerk. I haven't given up on this, however, since I think it is extremely important. If it turns out that I have in any way overestimated my cost, I will try to do this is some fashion. We might also think about amending the contract when we get into the project to include this. As a third alternative, I might be able to get money from some other source for this. In any event, it is simpler from my standpoint not to change the total contract amount, and I would assume it might be simpler from your standpoint also.

As to your question regarding the number of deaths we would observe in the cohort of 4000 male workers, I don't think this needs to be in the contract. The cohort is adequate for a good study. In Joe Wagoner's study of the Manheim plant, he had 3360 workers followed through 1968 rather than 1974, as in our proposal, and observed a total of 665 deaths, 46 of which were due to cancer of the respiratory system. Corresponding expected number of deaths were 526 and 19.

00870

CRMC-Motley1000-Subj-002317

Regarding coding methods, I am not sure what was meant by this as the contract indicates we will use the International Statistical Classification of Causes of Death. If we drop attempts to measure intensity of exposure this greatly simplifies the overall coding problem.

Finally, as to whether we might want to make this an ongoing study this should be relatively inexpensive and may be desirable. However, it seems to me this is a matter we could discuss after we have a firm idea as to the size of the cohort and initial findings.

Back to the dust exposure problem, it is my feelings that this will be increasingly important in future epidemiological studies. NIOSH currently has an RFP out to develop procedures for this, I assume in anticipation of future attempts to develop dose-response relationships. Adding this to your project would increase the overall cost by about $10,000.

Sincerely,

Philip E. Enterline, Ph.D.
Professor of Biostatistics

PE/jn
Enclosure

Dr. Philip E. Enterline to J. C. Gilson and John H. Marsh on a Mortality Study at Raybestos-Manhattan's Stratford Pl... Published by AsbestosClaims.Law
ACL Doc 23899 · Page 3 of 7 asbestosclaims.law/library/23899/3

AGREEMENT FOR SPONSORED RESEARCH

This agreement is made and entered into this day of 1975, by and between the Raybestos-Manhattan Company hereinafter referred to as "Sponsor", and Philip E. Enterline, University of Pittsburgh, hereinafter referred to as "Researcher".

The Sponsor desires the services of the Researcher in the conduct of a study to determine the mortality experience of workers from a manufacturing plant owned by the Sponsor at Stratford, Connecticut, to relate this to duration of asbestos dust exposure, and to make comparisons with the general population in the State of Connecticut. The Researcher desires to undertake this service for the Sponsor, both parties agreeing to the terms and conditions hereinafter set forth.

From original copies of microfilm shipped to the Researcher, representing all workers separated from the Stratford plant during the period 1948-1964 inclusive, plus abstracts made from personnel records by the Sponsor on workers separated after 1964 or not separated, the Researcher will develop a cohort estimated at about 4000 male workers who were employed for a year or more in production or maintenance at the Stratford plant during the period January 1, 1947 through December 31, 1964. This cohort will be followed by the Researcher through December 31, 1974 and vital status will be established as of that date. Information in the files of the Raybestos-Manhattan Company will be made available to the Researcher as needed. Where workers are known to have died, death certificates will be obtained from the appropriate State Health Departments and coded in accordance with the International Statistical Classification revision in effect at the time death occurred. For workers for whom the death certificate shows that an autopsy was performed, the hospital involved will be contacted to see if any changes should be made in the cause of death appearing on the death certificate. In the modified life table of analyses, the Researcher will determine the [illegible] of death from selected causes with a detailed examination of [illegible]ms.

The Sponsor will render every assistance to the Researcher in following workers to determine their mortality experience. Information provided to the Researcher by the Sponsor will be in a form mutually agreed upon by the Sponsor and the Researcher. Corporate records will be made available by the Sponsor for the purpose of verifying information provided and in order to generally assure the validity of the study.

All microfilms, copies of microfilmed copies of original records, and abstracts obtained directly from the Sponsor will remain the property of the Sponsor and will be returned, upon request, to the Sponsor at the completion of the project. Individual records, including copies of death certificates and other medical information will be treated as confidential and only statistical summaries of such records will be published. Should the Researcher terminate employment with the University of Pittsburgh for any reason prior to the completion of this project, arrangements for completion shall be agreed upon between the Sponsor and the Chairman of the Department of Biostatistics of the University of Pittsburgh.

00873

CRMC-Motley1000-Subj-002320

If such agreement cannot be reached, the project shall be terminated with the University of Pittsburgh recovering actual costs incurred at the time of notification by the Sponsor of his desire for such termination.

The total time estimated for completion of this work is two years. The Researcher will provide to the Sponsor a report on progress at the end of the first year, and a final report at the end of the second.

The Researcher's charge for the project will be $47,030 plus $18,781 overhead or a total cost of $65,811. An advance payment of 50% will be made at the time of the signing of this agreement, 25% at the end of the first year, and 25% when a final report on the findings is submitted.

It is agreed and understood that the price charged by the Researcher is predicted upon the Researcher's ability to obtain the cooperation of Federal and State agencies in clearing records to determine the vital status. If at any time should it appear, in the opinion of the Researcher, that cooperation from Federal and State agencies is inadequate for the completion of a valid and useful study, the Researcher will notify the Sponsor in writing to this effect. At that point, some alternate follow-up mechanism will be developed along with an appropriate budget, or at the option of the Sponsor, the project will be terminated with the Researcher recovering actual costs incurred to the point of termination.

It is agreed and understood that the Researcher will accept personal responsibility for the scientific and technical aspects of this study and will make every effort to bring the study to a successful completion. It is further agreed and understood that the Researcher is acting as an independent contractor in the performance of any and all work hereunder, and that the Sponsor shall not be liable and responsible for the payment of any and all legal claims for damages made by the Researcher's employees or agents, or by any other person or persons, on account of any property damage or personal injury sustained or suffered by, or the death of any person or persons arising or growing out of, or in connection with, the performance of this Agreement, or any act or omission in connection herewith, and the Researcher hereby indemnifies and agrees to hold Sponsor harmless against any and all such claims.

Dr. Philip E. Enterline to J. C. Gilson and John H. Marsh on a Mortality Study at Raybestos-Manhattan's Stratford Pl... Published by AsbestosClaims.Law
ACL Doc 23899 · Page 5 of 7 asbestosclaims.law/library/23899/5

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS AGREEMENT ON THE DAY AND YEAR FIRST ABOVE WRITTEN.

RAYBESTOS-MANHATTAN, INC.

By_____
Sponsor

UNIVERSITY OF PITTSBURGH
GRADUATE SCHOOL OF PUBLIC HEALTH
PHILIP E. ENTERLINE, Ph. D.

By_____

By_____
Herschel E. Griffin, Dean
Graduate School of Public Health

UNIVERSITY OF PITTSBURGH

By_____
Paul Solyan, Comptroller
and Assistant Treasurer

Dr. Philip E. Enterline to J. C. Gilson and John H. Marsh on a Mortality Study at Raybestos-Manhattan's Stratford Pl... Published by AsbestosClaims.Law
ACL Doc 23899 · Page 6 of 7 asbestosclaims.law/library/23899/6

UNIVERSITY OF PITTSBURGH

Two Year Budget

	Man Months Effort	Amount Requested
Personnel:		
Vivian Henderson, Research Associate 50% @ $14,000 per year	12.0	$14,000
Clerk 100% @ $5304 per year	12.0	5,304
Secretary 10% @ $5568 per year	2.4	1,114
Graduate Student Researcher 100% @ $7000 per year	12.0	7,000
Total Personnel		$27,418
Fringe Benefits (@ 15.9% x salaries and wages of $20,418)		3,062
Developing Microfilms (40,000 @ $75 per 1000)		3,000
Mailing and Telephone (inc. phone tracing)		1,550
Internal Revenue Clearance (2000 records)		1,000
Social Security Clearance (3000 records)		5,000
Other Record clearance costs		2,500
Cost of Death Certificates (1000 @ $2 each)		2,000
Travel		1,500
Total Direct Costs		47,030
Indirect Costs (@68.5% x salaries and wages)		18,781
Total Cost		$65,811

00876

CRMC-Motley1000-Subj-002323