

K. E. Field, General Manager

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Division of Meteorology and Medicine
STRATOSPHERIC MONITORING

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In your memorandum of October 15, 1956 you requested an analysis of the high altitude sampling program underway or planned, together with recommendations as to any action AEC should take to raise their effectiveness.

We have been actively engaged in discussions with representatives of the Department of Defense, General Mills and other interested organizations. Attached is a summary of the stratospheric monitoring program as outlined in your letter to Honorable Herbert D. Lever dated October 23, 1956, requesting the support of the Department of Defense for the first four months operation involving the assumption of the cost by the Department of Defense. It is our understanding that this request is being considered favorably, although an official response has not been received.

At the end of the first four months, it is planned to continue with the same general scientific program but probably it will be conducted by another organization such as General Mills. There will be a meeting on Monday, November 19th, with representatives of ~~DELETED~~ General Mills, Midway Laboratories, and Scripps Oceanographic Institution to firm up the administrative aspects. The probable cost for the four months remaining in FY 1957 will be \$350,000. The costs beyond FY 1957, depend upon several factors yet to be determined but will probably range from \$1,000,000 a year to some lesser figure. Both of these costs include the collection of samples, radiochemical analyses and research and development.

The Division of Meteorology and Medicine did not budget funds for this program, and it is therefore requested that additional FY 1957 operating funds be made available to enable appropriate contractual arrangements. Also, since this program was not included in our FY 1956 budget, we request approval to factor the Bureau of the Budget of the additional requirement of approximately \$1,000,000.

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OFFICE ►	EMPLOYEE ►	DIRECTOR ►	REVIEWER (ADD) ►
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DATE ►	11/13/56	11/13/56	11/13/56

Form ABC-818 (Rev. 9-28)

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STRATOSPHERIC MONITORING PROGRAM

The stratospheric monitoring program would consist of launching balloons from four existing sites and two new sites (in the United States) for a period of four months. Attached to these balloons would be the appropriate air sampling devices. A summary of the details of the program follows:

1. The locations of the sites would be Minneapolis, Minnesota; San Angelo, Texas; France Air Force Base, Canal Zone; ~~DELETED~~ ~~DELETED~~ *DOD*
~~DELETED~~ ~~DELETED~~ and Larson Field, Washington and Alamogordo, New Mexico or Yuma, Arizona (new sites operated by the Air Force).
2. Four monthly samples would be taken at each station consisting of one sample each at approximately 50,000, 65,000, 80,000 and 90,000 plus feet.
3. The balloons and equipment for collecting the air samples would be the standard types currently being supplied ~~DELETED~~ General Mills Corporation. *DOD*
4. The radiochemical analysis would be made by the Commission's Health and Safety Laboratory at New York City.
5. The data and geographic location of collection of samples would be on an unclassified basis. *DOD*

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