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Department of Energy
Chicago Operations and Regional Office
9800 South Cass Avenue
Argonne, Illinois 60439

July 14, 1981

Billy D. Shipp, Director
Operational and Environmental
Safety Division

SUBJECT: CARPENTER TECHNOLOGY CORPORATION, CARPENTER STEEL DIVISION,
READING, PENNSYLVANIA

A visit was made to Carpenter Technology Corp., Carpenter Steel Division, Reading, Pennsylvania, on June 7, 1981, by Paul Neason, DOE, and personnel of Argonne National Laboratory (ANL). The ANL personnel included W. Smith, J. Thereon, D. Reilly, and C. Mayes. The group met with Mike Schalk, legal counsel for Carpenter. The purpose of the visit was to perform a cursory radiological survey of certain areas at the above location, and to gather additional information or documentation, if any, on the Manhattan Project activities therein.

The areas were surveyed to determine if there was any immediate radiological hazard for personnel working therein; it was not intended to be an all-inclusive survey. Areas surveyed included a portion of a mill facility (a portion of Building 1) and the approximate location of a small storage shed which was razed several years ago. The results of these measurements indicated no detectable contamination above background except for one small area under a furnace in Building 1. Direct readings in this area were three to four times background levels. (Sampling indicated that this was not loose contamination.) All other readings in Building 1 and at the location of the storage shed showed no detectable readings above background.

The cursory survey indicates that there is no radiological hazard to persons working in the facility. However, due to the lack of definitive records, and to be consistent with the approach taken in the past for facilities of this nature, it is recommended that an extensive radiological survey be scheduled and performed. This survey would eliminate any apprehension about radiological hazards in the areas concerned. This survey would include a detailed review of the floor and wall areas and a representative sampling of the overhead structures in the building. In addition, air and soil samples will be collected and analyzed as needed.

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- 2 -

At the time of this visit, Mr. Schalk did not have any documentation to further describe the original work activities, locations, etc. However, he agreed to search for any additional information that may exist in Carpenter's files.

Paul M. Neeson, Health Protection Specialist
Operational and Environmental Safety Division

cc: William E. Mott, Director, ECT, HQ ✓