



# Department of Health

70-171  
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4708

October 10, 1960

Mr. L. R. Gaty  
Vice-President, Research & Development  
Philadelphia Electric Company  
1000 Chestnut Street  
Philadelphia 5, Pennsylvania

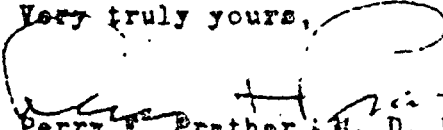
Dear Mr. Gaty:

Following a review of the reports relative to the proposed Peachbottom Reactor representatives of this Department met with Officials of the Pennsylvania Department of Health and the United States Public Health Service to discuss the adequacy of the submitted information.

We concur with the findings developed subsequent thereto and herewith append a list of items for which additional information is requested.

I appreciate the cooperation which has been extended by your Company in keeping us advised during the development of this project.

Very truly yours,

  
Perry F. Prather, M. D. Director  
State of Maryland Department of Health

PFP:geh

cc:Mr. Mason



A-101

# MARYLAND STATE DEPARTMENT OF HEALTH

470R

Specific Engineering Design Data and Prototype  
or Research and Development Data to support the  
Engineering Design:

1. On the mechanical stability and the impermeability properties of the outer graphite can, and on the internal fission product trapping system of the proposed fuel element as affected by temperature, corrosion, erosion and irradiation history. (Including in-pile experimental data)
2. On each component of the external fission product trapping system.
3. On the rate of leakage of the coolant from the primary loop.
4. On the ventilation rate and clean-up process for the helium purification area, reactor and pipeway cavity, and all other proposed ventilation systems contributing to the stack effluent.
5. On the fuel element handling, transfer, and storage systems with particular reference to control of contamination during routine and abnormal operating conditions.
6. On processing rates, efficiency of treatment units, storage volumes, and discharge rates to condenser cooling water from the entire liquid wastes system.
7. On wastes handling procedures for wastes resulting from contaminating incidents.
8. On monitoring procedures and related control mechanisms.