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Philadelphia Electric Company
1000 Chestnut Street
Philadelphia 5, Pennsylvania

Attention: Mr. R. F. Gilkeson
Vice President

Gentlemen:

During the October 3rd meeting between representatives of Philadelphia Electric Company, General Atomics and the AEC, the need for additional information regarding the design, manufacturing and fabrication specifications for the proposed reactor pressure vessel was discussed. The general areas about which more information is desired are:

1. Design specifications

   a. Criteria used, including discussion of the normal and abnormal condition considered.
   b. Identification of the selected codes and/or standards.
   c. Stress analysis values.
   d. The nvt design values selected for the various vessel locations.

2. Manufacturing and Fabricating Specifications

   a. Manufacturing process control and responsibility.
   b. Specifications for each component of vessel.
   c. Normalizing procedures
   d. Methods of NDT-temperature determination (e. g. Drop weight or Charpy impact)
   e. NDT temperature specifications

      (1) For shell materials
      (2) For end closures
      (3) For all nozzles

   f. Treatment of materials following fabrication.
   g. Post manufacturing tests to be conducted.

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3. Operational limits

a. Temperature-pressure transition limits
b. Control of transition limits
c. Coupon testing programs

In addition to the above any other information that is pertinent to our evaluation of the adequacy of the reactor pressure vessel should be presented.

Since we wish to discuss this information with the ACRS at its next meeting, it should be submitted to this office before October 24th. Three copies signed under oath or affirmation and 40 additional copies should be furnished.

Sincerely yours,

Original Signed by
E. G. Case

E. G. Case
Acting Assistant Director
Facilities Licensing
Division of Licensing and Regulation