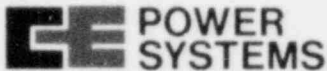


C-E Power Systems  
Combustion Engineering, Inc.  
1000 Prospect Hill Road  
Windsor, Connecticut 06095

Tel. 203/688-1911  
Telex 99297



Docket No.: STN-50-470F

August 19, 1982  
LD-82-076

Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: CESSAR SER Confirmatory Item Number 12

Dear Mr. Eisenhut:

Enclosed please find our report responding to Confirmatory Item 12 of the CESSAR SER. This item addresses iodine control in nuclear reactor containment buildings which use the hydrazine spray system. The report contains containment spray operating guidelines and supporting chemical analyses resolving concerns over the effectiveness of the hydrazine system in controlling airborne iodine inside containment.

Combustion Engineering met with the NRC Staff on March 9, 1982 to discuss concerns on long term iodine control. As a result of that meeting, we revised CESSAR interface requirements and analyses on long term hydrazine behavior and submitted them in draft form for comment. Resolution of NRC concerns regarding containment sampling and the radiolysis of hydrazine have been addressed and incorporated in the enclosed package.

Questions concerning this report may be directed to either myself or Mr. G. A. Davis of my staff at (203)688-1911, Extension 2803.

Very truly yours,

COMBUSTION ENGINEERING, INC.

A handwritten signature in dark ink, appearing to read 'A. E. Scherer'.

A. E. Scherer  
Director  
Nuclear Licensing

Boo1

AES:ctk

Enclosure