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November 7, 2008

Dr. Raymond Orbach  
Under Secretary for Science  
U.S. Department of Energy  
1000 Independence Ave., SW  
Washington, DC 20585

Dear Dr. Orbach,

With this letter, the Fusion Energy Sciences Advisory Committee conveys the panel report on Toroidal Alternate Concepts prepared in response to your charge of 2/20/2008.

As requested, the panel has identified a set of appropriate "ITER-era" goals for the four configurations under consideration; outlined the critical scientific questions and challenges; assessed gaps in the current research programs and outlined possible options for addressing these gaps.

FESAC voted unanimously to accept this thorough and well-researched report. We believe it provides readers with a sense of the challenges and opportunities in the alternates program and should provide abundant, useful input to OFES as they develop their strategic plans.

FESAC extends its gratitude to the entire panel and its chair, David Hill, for their efforts.

Sincerely,

A handwritten signature in blue ink that reads "Martin Greenwald".

Martin Greenwald  
Chair, Fusion Science Advisory Committee

Cc: FESAC  
Gene Nardella  
Pat Dehmer  
Al Opdenaker