

PWA Declaration David Chanin

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before The Atomic Safety And Licensing Board

In the Matter of
Entergy Corporation
Pilgrim Nuclear Power Station
License Renewal Application

Docket # 50-293-LR

June 5, 2007

**DECLARATION OF DAVID I. CHANIN IN SUPPORT OF PILGRIM WATCH'S
RESPONSE OPPOSING ENTERGY'S MOTION FOR SUMMARY DISPOSITION
OF PILGRIM WATCH CONTENTION 3**

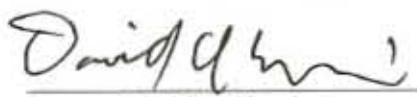
I, David I. Chanin, was primary developer of the MACCS and MACCS2 computer codes under sponsorship of the U.S. NRC and DOE while working at Sandia National Laboratories 1982-1996. MACCS2 is considered by NRC (and DOE) to be state-of-the-art for assessing potential doses, health effects, and economic consequences which could result from radiological releases to the atmosphere after severe accidents or sabotage.

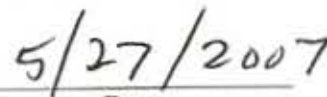
The MACCS2 Support Forum blog was created in June 2005 to answer questions posed by code users about the MACCS2 models, input data, and code outputs. I believe that the MACCS2 Support Forum is the only web-based interactive support resource available to all interested parties. It remains available at www.maccs2support.chaninconsulting.com.

Two blog posts there from Don Catanzaro asked about the economic parameters used by MACCS2. The questions he posted on August 23, 2006 and January 23, 2007 were practically identical. My replies represent my best judgement, which is unchanged. However, the tone of the second reply was the result of being asked essentially the same question twice. Several obvious typographical errors in my quoted replies have not been corrected, since they do not affect the meaning. There was no after-the-fact editing.

My work and experience, documented in the attached c.v., gives me recognized expert standing to address all matters discussed. My authorship of MACCS2 (sponsored by both DOE and NRC) makes me an authority on all of its models, input data, and outputs. Authorship of DOE-sponsored SAND96-0957 makes me an authority on the estimation of economic costs resulting from the release of radioactive materials to the environment.

I declare under Penalty of Perjury that the foregoing and following are true and correct.


David I. Chanin


Date