

FOIA - FOIA: NRC Fire Protection Analysis

From: Theresa Sutter <tsutter@scientech.com>
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Subject: FOIA: NRC Fire Protection Analysis

FOIAPA REQUEST

Case No.: 2007-0170
Date Rec'd: 4-6-07
Specialist: Pool
Related Case: _____

I submit the following FOIA Request:

At the top of report page 26 of 50-305/2004-05 (attached), the NRC discusses an analysis that it performed (see excerpt with emphasis added):

The NRC performed an **analysis** of the radiation protection office area and concluded that hot gas layer temperatures in the radiation protection office could reach in excess of 1000 degrees Fahrenheit. The **NRC analysis** was based on computer fire modeling of the radiation protection office using CFAST [Consolidated Model of Fire Growth and Smoke Transport] analysis software and a time squared medium fire growth rate curve (depicted in Figure B.1-2 of NUREG-1805, "Fire Dynamics Tools (FOP) Quantitative Fire Hazard Analysis Methods for the U.S. Nuclear Regulatory Commission Fire Protection Inspection Program," draft report published June 2003). Based on this information, the team concluded that a fire in the radiation protection office area could adversely affect the safe shutdown cable trays in the cable spreading area above due to heat being conducted and radiated through the metal decking .

I am requesting a full copy of that analysis. Please include all the inputs and assumptions that were used in the analysis that predicted temperatures exceeding 1000 degrees.

Thank you.

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