



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

December 23, 2002

MEMORANDUM TO: Charles L. Miller, Deputy Director  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Dr. Stephen McGuire  
Office of Nuclear Security and  
Incident Response

Walter S. Schwink  
Division of Fuel Cycle Safety  
And Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: Martin J. Virgilio, Director  
Office of Nuclear Material Safety  
and Safeguards

A handwritten signature in black ink, likely of Martin J. Virgilio, is written over the "FROM:" line.

SUBJECT: AD HOC REVIEW PANEL - DIFFERING PROFESSIONAL VIEW ON  
MODELING CHEMICAL CONSEQUENCE EFFECTS FOR  
DETERMINING SAFETY REQUIREMENTS AT THE PROPOSED  
MIXED OXIDE (MOX) FUEL FABRICATION FACILITY  
(NMSS-DPV-2002-03)

In accordance with Management Directive (MD) 10.159, Differing Professional Views or Opinions, I am appointing you as members of a Differing Professional View (DPV) Ad Hoc Review panel which will convene for the purpose of reviewing the DPV submitted by Alexander P. Murray, Senior Chemical Process Engineer, Division of Fuel Cycle Safety and Safeguards. The DPV raises concerns regarding Modeling Chemical Consequence Effects for Determining Safety Requirements at the Proposed Mixed oxide (MOX) Fuel Fabrication Facility. A copy of the DPV is provided as Attachment 1. I appreciate your agreement to serve on this panel.

I have designated Mr. Charles L. Miller to be Chairman of this panel. I request that you conduct an independent review of this DPV and make recommendations to me based on the results of your review. In accordance with MD 10.159 (Attachment 2), the panel will need to complete an initial review within seven days of the date of this memorandum to determine whether the submitter has supplied sufficient information for the panel to undertake a detailed review of the issue. After the panel has received sufficient information to begin the review, the panel should complete the DPV review and submit its recommendations to me within 30 days

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Charles L. Miller, et. al.

2

Please let me know if there is any additional information or technical assistance you may require to complete your review. I look forward to receiving your independent review results and recommendations.

Attachments: 1. Alexander P. Murray DPV dated December 19, 2002  
2. NRC MD 10.159 (12/15/99 Revision)

cc: Alexander P. Murray, FCSS